

Literaturverzeichnis

- Abdelhamid, A. G., Esaam, A., & Hazaa, M. M. (2018). Cell free preparations of probiotics exerted antibacterial and antibiofilm activities against multidrug resistant *E. coli*. *Saudi pharmaceutical journal : SPJ : the official publication of the Saudi Pharmaceutical Society*, 26(5), 603–607. <https://doi.org/10.1016/j.jsps.2018.03.004>
- Aggarwal, B. B., Kumar, A., & Bharti, A. C. (2003). Anticancer potential of curcumin: preclinical and clinical studies. *Anticancer research*, 23(1A), 363–398.
- Ahn, H. K., Lee, Y. H., & Koo, K. C. (2020). Current Status and Application of Metformin for Prostate Cancer: A Comprehensive Review. *International journal of molecular sciences*, 21(22), 8540. <https://doi.org/10.3390/ijms21228540>
- Ahouansou, S., Le Toumelin, P., Crickx, B., & Descamps, V. (2007). Association of androgenetic alopecia and hypertension. *European journal of dermatology : EJD*, 17(3), 220–222.
- Albrecht, M., Jiang, W., Kumi-Diaka, J., Lansky, E. P., Gommersall, L. M., Patel, A., Mansel, R. E., Neeman, I., Geldof, A. A., & Campbell, M. J. (2004). Pomegranate extracts potently suppress proliferation, xenograft growth, and invasion of human prostate cancer cells. *Journal of medicinal food*, 7(3), 274–283. <https://doi.org/10.1089/jmf.2004.7.274>
- Alcaraz, A., Hammerer, P., Tubaro, A., Schröder, F. H., & Castro, R. (2009). Is there evidence of a relationship between benign prostatic hyperplasia and prostate cancer? Findings of a literature review. *European urology*, 55(4), 864–873. <https://doi.org/10.1016/j.eururo.2008.11.011>
- Alumkal, J. J., Slottke, R., Schwartzman, J., Cherala, G., Munar, M., Graff, J. N., Beer, T. M., Ryan, C. W., Koop, D. R., Gibbs, A., Gao, L., Flamiatos, J. F., Tucker, E., Kleinschmidt, R., & Mori, M. (2015). A phase II study of sulforaphane-rich broccoli sprout extracts in men with recurrent prostate cancer. *Investigational new drugs*, 33(2), 480–489. <https://doi.org/10.1007/s10637-014-0189-z>
- Ames, B. N., Shigenaga, M. K., & Hagen, T. M. (1993). Oxidants, antioxidants, and the degenerative diseases of aging. *Proceedings of the National Academy of Sciences of the United States of America*, 90(17), 7915–7922. <https://doi.org/10.1073/pnas.90.17.7915>
- Andriole, G. L., Bostwick, D. G., Brawley, O. W., Gomella, L. G., Marberger, M., Montorsi, F., Pettaway, C. A., Tammela, T. L., Teloken, C., Tindall, D. J., Somerville, M. C., Wilson, T. H., Fowler, I. L., Rittmaster, R. S., & REDUCE Study Group (2010). Effect of dutasteride on the risk of prostate cancer. *The New England journal of medicine*, 362(13), 1192–1202. <https://doi.org/10.1056/NEJMoa0908127>
- Asada, Y., Sonoda, T., Ojio, M., Kurata, S., Sato, T., Ezaki, T., & Takayasu, S. (2001). 5 alpha-reductase type 2 is constitutively expressed in the dermal papilla and connective tissue sheath of the hair follicle in vivo but not during culture in vitro. *The Journal of clinical endocrinology and metabolism*, 86(6), 2875–2880. <https://doi.org/10.1210/jcem.86.6.7545>
- Asare, G. A., Ngala, R. A., Afriyie, D., Adjei, S., Nyarko, A., Anang-Quartey, Y., Asiedu, B., Doku, D., Amoah, B. Y., Bentum, K., Musah, I., & Mossanda, K. (2017). Calcium - Magnesium imbalance implicated in benign prostatic hyperplasia and restoration by a phytotherapeutic drug - Croton membranaceus Müll.Arg. *BMC complementary and alternative medicine*, 17(1), 152. <https://doi.org/10.1186/s12906-017-1663-x>
- Atwell, L. L., Beaver, L. M., Shannon, J., Williams, D. E., Dashwood, R. H., & Ho, E. (2015). Epigenetic Regulation by Sulforaphane: Opportunities for Breast and Prostate Cancer Chemoprevention. *Current pharmacology reports*, 1(2), 102–111. <https://doi.org/10.1007/s40495-014-0002-x>
- Aviram, M., Rosenblat, M., Gaitini, D., Nitecki, S., Hoffman, A., Dornfeld, L., Volkova, N., Presser, D., Attias, J., Liker, H., & Hayek, T. (2004). Pomegranate juice consumption for 3 years by patients with carotid artery stenosis reduces common carotid intima-media thickness, blood pressure and LDL oxidation. *Clinical nutrition (Edinburgh, Scotland)*, 23(3), 423–433. <https://doi.org/10.1016/j.clnu.2003.10.002>
- Azzi, A., Gysin, R., Kempná, P., Ricciarelli, R., Villacorta, L., Visarius, T., & Zingg, J. M. (2003). The role of alpha-tocopherol in preventing disease: from epidemiology to molecular events. *Molecular aspects of medicine*, 24(6), 325–336. [https://doi.org/10.1016/s0098-2997\(03\)00028-1](https://doi.org/10.1016/s0098-2997(03)00028-1)
- Barranco, W. T., & Eckhart, C. D. (2004). Boric acid inhibits human prostate cancer cell proliferation. *Cancer letters*, 216(1), 21–29. <https://doi.org/10.1016/j.canlet.2004.06.001>
- Bartoletti, R., Cai, T., Nesi, G., Albanese, S., Meacci, F., Mazzoli, S., & Naber, K. (2014). The impact of biofilm-producing bacteria on chronic bacterial prostatitis treatment: results from a longitudinal cohort study. *World journal of urology*, 32(3), 737–742. <https://doi.org/10.1007/s00345-013-1145-9>
- Bartsch, C., Bartsch, H., Jain, A. K., Laumas, K. R., & Wetterberg, L. (1981). Urinary melatonin levels in human breast cancer patients. *Journal of neural transmission*, 52(4), 281–294. <https://doi.org/10.1007/BF01256753>
- Belcaro, G., Cesarone, M. R., Dugall, M., Pellegrini, L., Ledda, A., Grossi, M. G., Togni, S., & Appendino, G. (2010). Efficacy and safety of Meriva®, a curcumin-phosphatidylcholine complex, during extended administration in osteoarthritis patients. *Alternative medicine review : a journal of clinical therapeutic*, 15(4), 337–344.
- Belcaro, G., Hosoi, M., Pellegrini, L., Appendino, G., Ippolito, E., Ricci, A., Ledda, A., Dugall, M., Cesarone, M. R., Maione, C., Ciammaichella, G., Genovesi, D., & Togni, S. (2014). A controlled study of a lecithinized delivery system of curcumin (Meriva®) to alleviate the adverse effects of cancer treatment. *Phytotherapy research : PTR*, 28(3), 444–450. <https://doi.org/10.1002/ptr.5014>
- Bell, K. J., Del Mar, C., Wright, G., Dickinson, J., & Glasziou, P. (2015). Prevalence of incidental prostate cancer: A systematic review of autopsy studies. *International journal of cancer*, 137(7), 1749–1757. <https://doi.org/10.1002/ijc.29538>
- Beuth J. (2008). Proteolytic enzyme therapy in evidence-based complementary oncology: fact or fiction?. *Integrative cancer therapies*, 7(4), 311–316. <https://doi.org/10.1177/1534735408327251>
- Bostwick, D. G., Burke, H. B., Djakiew, D., Euling, S., Ho, S. M., Landolph, J., Morrison, H., Sonawane, B., Shifflett, T., Waters, D. J., & Timms, B. (2004). Human prostate cancer risk factors. *Cancer*, 101(10 Suppl), 2371–2490. <https://doi.org/10.1002/cncr.20408>

- Bostwick, D. G., Cooner, W. H., Denis, L., Jones, G. W., Scardino, P. T., & Murphy, G. P. (1992). The association of benign prostatic hyperplasia and cancer of the prostate. *Cancer*, 70(1 Suppl), 291–301. [https://doi.org/10.1002/1097-0142\(19920701\)70:1+<291::aid-cncr2820701317>3.0.co;2-4](https://doi.org/10.1002/1097-0142(19920701)70:1+<291::aid-cncr2820701317>3.0.co;2-4)
- Brusselmans, K., De Schrijver, E., Heyns, W., Verhoeven, G., & Swinnen, J. V. (2003). Epigallocatechin-3-gallate is a potent natural inhibitor of fatty acid synthase in intact cells and selectively induces apoptosis in prostate cancer cells. *International journal of cancer*, 106(6), 856–862. <https://doi.org/10.1002/ijc.11317>
- Campbell, S., Stone, W., Whaley, S., & Krishnan, K. (2003a). Development of gamma (gamma)-tocopherol as a colorectal cancer chemopreventive agent. *Critical reviews in oncology/hematology*, 47(3), 249–259. [https://doi.org/10.1016/s1040-8428\(03\)00042-8](https://doi.org/10.1016/s1040-8428(03)00042-8)
- Campbell, S. E., Stone, W. L., Whaley, S. G., Qui, M., & Krishnan, K. (2003b). Gamma (gamma) tocopherol upregulates peroxisome proliferator activated receptor (PPAR) gamma (gamma) expression in SW 480 human colon cancer cell lines. *BMC cancer*, 3, 25. <https://doi.org/10.1186/1471-2407-3-25>
- Cano-Lamadrid, M., Marhuenda-Egea, F. C., Hernández, F., Rosas-Burgos, E. C., Burgos-Hernández, A., & Carbonell-Barrachina, A. A. (2016). Biological Activity of Conventional and Organic Pomegranate Juices: Antioxidant and Antimutagenic Potential. *Plant foods for human nutrition (Dordrecht, Netherlands)*, 71(4), 375–380. <https://doi.org/10.1007/s11130-016-0569-y>
- Carson, C., 3rd, & Rittmaster, R. (2003). The role of dihydrotestosterone in benign prostatic hyperplasia. *Urology*, 61(4 Suppl 1), 2–7. [https://doi.org/10.1016/s0090-4295\(03\)00045-1](https://doi.org/10.1016/s0090-4295(03)00045-1)
- Cerdá, B., Espín, J. C., Parra, S., Martínez, P., & Tomás-Barberán, F. A. (2004). The potent in vitro antioxidant ellagitannins from pomegranate juice are metabolised into bioavailable but poor antioxidant hydroxy-6H-dibenzopyran-6-one derivatives by the colonic microflora of healthy humans. *European journal of nutrition*, 43(4), 205–220. <https://doi.org/10.1007/s00394-004-0461-7>
- Chan, J. M., Stampfer, M. J., Ma, J., Gann, P., Gaziano, J. M., Pollak, M., & Giovannucci, E. (2002). Insulin-like growth factor-I (IGF-I) and IGF binding protein-3 as predictors of advanced-stage prostate cancer. *Journal of the National Cancer Institute*, 94(14), 1099–1106. <https://doi.org/10.1093/jnci/94.14.1099>
- Chen, C. J., Yen, J. H., & Chang, S. J. (2014). Gout patients have an increased risk of developing most cancers, especially urological cancers. *Scandinavian journal of rheumatology*, 43(5), 385–390. <https://doi.org/10.3109/03009742.2013.878387>
- Chen, X., Zhao, Y., Tao, Z., & Wang, K. (2021). Coffee consumption and risk of prostate cancer: a systematic review and meta-analysis. *BMJ open*, 11(2), e038902. <https://doi.org/10.1136/bmjopen-2020-038902>
- Christen S., Hagen T. M., Shigenaga M. K., Ames B. N. (1999). Chronic inflammation, mutation, and cancer. In: *Parsonnet Jed. Microbes and Malignancy*. New York: Oxford University Press: 35-88.
- Christen, S., Jiang, Q., Shigenaga, M. K., & Ames, B. N. (2002). Analysis of plasma tocopherols alpha, gamma, and 5-nitro-gamma in rats with inflammation by HPLC coulometric detection. *Journal of lipid research*, 43(11), 1978–1985. <https://doi.org/10.1194/jlr.D200023-jlr200>
- Christen, S., Woodall, A. A., Shigenaga, M. K., Southwell-Keely, P. T., Duncan, M. W., & Ames, B. N. (1997). gamma-tocopherol traps mutagenic electrophiles such as NO(X) and complements alpha-tocopherol: physiological implications. *Proceedings of the National Academy of Sciences of the United States of America*, 94(7), 3217–3222. <https://doi.org/10.1073/pnas.94.7.3217>
- Chun S, Vatter D, Lin Y, Shetty K (2005). Phenolic antioxidants from clonal oregano (*Origanum vulgare*) with antimicrobial activity against *Helicobacter pylori*. *Process Biochem*, 40(2), S. 809–816. <https://doi.org/10.1016/j.procbio.2004.02.018>
- Chung, L. Y., Cheung, T. C., Kong, S. K., Fung, K. P., Choy, Y. M., Chan, Z. Y., & Kwok, T. T. (2001). Induction of apoptosis by green tea catechins in human prostate cancer DU145 cells. *Life sciences*, 68(10), 1207–1214. [https://doi.org/10.1016/s0024-3205\(00\)01020-1](https://doi.org/10.1016/s0024-3205(00)01020-1)
- Chung, S. D., Liu, S. P., & Lin, H. C. (2013a). Association between prostate cancer and urinary calculi: a population-based study. *PLoS one*, 8(2), e57743. <https://doi.org/10.1371/journal.pone.0057743>
- Chung, S. D., Liu, S. P., & Lin, H. C. (2013b). A population-based study on the association between urinary calculi and kidney cancer. *Canadian Urological Association Journal = Journal de l'Association des urologues du Canada*, 7(11-12), E716–E721. <https://doi.org/10.5489/cuaj.366>
- Cipolla, B. G., Mandron, E., Lefort, J. M., Coadou, Y., Della Negra, E., Corbel, L., Le Scodan, R., Azzouzi, A. R., & Mottet, N. (2015). Effect of Sulforaphane in Men with Biochemical Recurrence after Radical Prostatectomy. *Cancer prevention research (Philadelphia, Pa.)*, 8(8), 712–719. <https://doi.org/10.1158/1940-6207.CAPR-14-0459>
- Clemens, J. Q., Meenan, R. T., O'Keefe Rosetti, M. C., Kimes, T., & Calhoun, E. A. (2007). Prevalence of and risk factors for prostatitis: population based assessment using physician assigned diagnoses. *The Journal of urology*, 178(4 Pt 1), 1333–1337. <https://doi.org/10.1016/j.juro.2007.05.140>
- Coleman, M. P., & Reiter, R. J. (1992). Breast cancer, blindness and melatonin. *European journal of cancer (Oxford, England : 1990)*, 28(2-3), 501–503. [https://doi.org/10.1016/s0959-8049\(05\)80087-5](https://doi.org/10.1016/s0959-8049(05)80087-5)
- Cramer, J. M., & Jeffery, E. H. (2011). Sulforaphane absorption and excretion following ingestion of a semi-purified broccoli powder rich in glucoraphanin and broccoli sprouts in healthy men. *Nutrition and cancer*, 63(2), 196–201. <https://doi.org/10.1080/01635581.2011.523495>
- Cui, Y., Winton, M. I., Zhang, Z. F., Rainey, C., Marshall, J., De Kernion, J. B., & Eckhart, C. D. (2004). Dietary boron intake and prostate cancer risk. *Oncology reports*, 11(4), 887–892.
- Daily Mail Reporter (2011). Spicing up broccoli with wasabi or horseradish makes it an even better cancer-buster. <http://www.dailymail.co.uk/health/article-2036867/Cancer-buster-broccoli-healthier-wasabi-horseradish.html> (02.07.2013)
- Darbre P. D. (2006). Metalloestrogens: an emerging class of inorganic xenoestrogens with potential to add to the oestrogenic burden of the human breast. *Journal of applied toxicology : JAT*, 26(3), 191–197. <https://doi.org/10.1002/jat.1135>

- Davidson, M. H., Maki, K. C., Dicklin, M. R., Feinstein, S. B., Witchger, M., Bell, M., McGuire, D. K., Provost, J. C., Liker, H., & Aviram, M. (2009). Effects of consumption of pomegranate juice on carotid intima-media thickness in men and women at moderate risk for coronary heart disease. *The American journal of cardiology*, *104*(7), 936–942. <https://doi.org/10.1016/j.amjcard.2009.05.037>
- Debruyne, F., Barkin, J., van Erps, P., Reis, M., Tammela, T. L., Roehrborn, C., & ARIA3001, ARIA3002 and ARIB3003 Study Investigators (2004). Efficacy and safety of long-term treatment with the dual 5 alpha-reductase inhibitor dutasteride in men with symptomatic benign prostatic hyperplasia. *European urology*, *46*(4), 488–495. <https://doi.org/10.1016/j.eururo.2004.05.008>
- De Marzo, A. M., Platz, E. A., Sutcliffe, S., Xu, J., Grönberg, H., Drake, C. G., Nakai, Y., Isaacs, W. B., & Nelson, W. G. (2007). Inflammation in prostate carcinogenesis. *Nature reviews. Cancer*, *7*(4), 256–269. <https://doi.org/10.1038/nrc2090>
- Dell'Atti, L., Galosi, A. B., & Ippolito, C. (2016). Prostatic calculi detected in peripheral zone of the gland during a transrectal ultrasound biopsy can be significant predictors of prostate cancer. *Archivio italiano di urologia, andrologia : organo ufficiale [di] Societa italiana di ecografia urologica e nefrologica*, *88*(4), 304–307. <https://doi.org/10.4081/aiua.2016.4.304>
- Dennis, L. K., Lynch, C. F., & Torner, J. C. (2002). Epidemiologic association between prostatitis and prostate cancer. *Urology*, *60*(1), 78–83. [https://doi.org/10.1016/s0090-4295\(02\)01637-0](https://doi.org/10.1016/s0090-4295(02)01637-0)
- Dessombz, A., Méria, P., Bazin, D., & Daudon, M. (2012). Prostatic stones: evidence of a specific chemistry related to infection and presence of bacterial imprints. *PLoS one*, *7*(12), e51691. <https://doi.org/10.1371/journal.pone.0051691>
- Dinicola, S., De Grazia, S., Carlomagno, G., & Pintucci, J. P. (2014). N-acetylcysteine as powerful molecule to destroy bacterial biofilms. A systematic review. *European review for medical and pharmacological sciences*, *18*(19), 2942–2948.
- Di Pierro, F., Rapacioli, G., Di Maio, E. A., Appendino, G., Franceschi, F., & Togni, S. (2013). Comparative evaluation of the pain-relieving properties of a lecithinized formulation of curcumin (Meriva®), nimesulide, and acetaminophen. *Journal of pain research*, *6*, 201–205. <https://doi.org/10.2147/JPR.S42184>
- Dosz E. B., Jeffery E. H. (2013). Commercially produced frozen broccoli lacks the ability to form sulforaphane. *J Funct Foods*; *5*(2): 987-990.
- Drost, F. H., Osses, D. F., Nieboer, D., Steyerberg, E. W., Bangma, C. H., Roobol, M. J., & Schoots, I. G. (2019). Prostate MRI, with or without MRI-targeted biopsy, and systematic biopsy for detecting prostate cancer. *The Cochrane database of systematic reviews*, *4*(4), CD012663. <https://doi.org/10.1002/14651858.CD012663.pub2>
- Eaton, N. E., Reeves, G. K., Appleby, P. N., & Key, T. J. (1999). Endogenous sex hormones and prostate cancer: a quantitative review of prospective studies. *British journal of cancer*, *80*(7), 930–934. <https://doi.org/10.1038/sj.bjc.6690445>
- Esmailzadeh, A., Tahbaz, F., Gaieni, I., Alavi-Majid, H., & Azadbakht, L. (2006). Cholesterol-lowering effect of concentrated pomegranate juice consumption in type II diabetic patients with hyperlipidemia. *International journal for vitamin and nutrition research. Internationale Zeitschrift für Vitamin- und Ernährungsforschung. Journal international de vitaminologie et de nutrition*, *76*(3), 147–151. <https://doi.org/10.1024/0300-9831.76.3.147>
- Fahey, J. W., Zhang, Y., & Talalay, P. (1997). Broccoli sprouts: an exceptionally rich source of inducers of enzymes that protect against chemical carcinogens. *Proceedings of the National Academy of Sciences of the United States of America*, *94*(19), 10367–10372. <https://doi.org/10.1073/pnas.94.19.10367>
- Fitzpatrick J. M. (2006). The natural history of benign prostatic hyperplasia. *BJU international*, *97 Suppl 2*, 3–22. <https://doi.org/10.1111/j.1464-410X.2006.06097.x>
- Fitzpatrick, J. M., & Kirby, R. S. (2006). Management of acute urinary retention. *BJU international*, *97 Suppl 2*, 16–22. <https://doi.org/10.1111/j.1464-410X.2006.06100.x>
- Forest, C. P., Padma-Nathan, H., & Liker, H. R. (2007). Efficacy and safety of pomegranate juice on improvement of erectile dysfunction in male patients with mild to moderate erectile dysfunction: a randomized, placebo-controlled, double-blind, crossover study. *International journal of impotence research*, *19*(6), 564–567. <https://doi.org/10.1038/sj.ijir.3901570>
- Fowke, J. H., Howard, L., Andriole, G. L., & Freedland, S. J. (2014). Alcohol intake increases high-grade prostate cancer risk among men taking dutasteride in the REDUCE trial. *European urology*, *66*(6), 1133–1138. <https://doi.org/10.1016/j.eururo.2014.01.037>
- Franceschi F., Togni S., Appendino G. (2015). Curcumin and Neurological/Brain Disorders. In: Watson RR, Preedy VR (Hrsg.): *Bioactive Nutraceuticals and Food Supplements in Neurological and Brain Disease: Prevention and Therapy*. Chapter: 21: 197-204. Academic Press.
- Frattaroli, J., Weidner, G., Dnistrian, A. M., Kemp, C., Daubenmier, J. J., Marlin, R. O., Crutchfield, L., Yglecias, L., Carroll, P. R., & Ornish, D. (2008). Clinical events in prostate cancer lifestyle trial: results from two years of follow-up. *Urology*, *72*(6), 1319–1323. <https://doi.org/10.1016/j.urology.2008.04.050>
- Fuhrman, B., Volkova, N., & Aviram, M. (2005). Pomegranate juice inhibits oxidized LDL uptake and cholesterol biosynthesis in macrophages. *The Journal of nutritional biochemistry*, *16*(9), 570–576. <https://doi.org/10.1016/j.jnutbio.2005.02.009>
- Gallardo-Williams, M. T., Chapin, R. E., King, P. E., Moser, G. J., Goldsworthy, T. L., Morrison, J. P., & Maronpot, R. R. (2004). Boron supplementation inhibits the growth and local expression of IGF-1 in human prostate adenocarcinoma (LNCaP) tumors in nude mice. *Toxicologic pathology*, *32*(1), 73–78. <https://doi.org/10.1080/01926230490260899>
- Gallardo-Williams, M. T., Maronpot, R. R., Wine, R. N., Brunssen, S. H., & Chapin, R. E. (2003). Inhibition of the enzymatic activity of prostate-specific antigen by boric acid and 3-nitrophenyl boronic acid. *The Prostate*, *54*(1), 44–49. <https://doi.org/10.1002/pros.10166>
- Ganmaa, D., Li, X. M., Wang, J., Qin, L. Q., Wang, P. Y., & Sato, A. (2002). Incidence and mortality of testicular and prostatic cancers in relation to world dietary practices. *International journal of cancer*, *98*(2), 262–267. <https://doi.org/10.1002/ijc.10185>
- Gardner, W. A., Jr, Culberson, D. E., & Bennett, B. D. (1986). *Trichomonas vaginalis* in the prostate gland. *Archives of pathology & laboratory medicine*, *110*(5), 430–432.

- Geisberger, S., Bartolomaeus, H., Neubert, P., Willebrand, R., Zasada, C., Bartolomaeus, T., McParland, V., Swinnen, D., Geuzens, A., Maifeld, A., Krampert, L., Vogl, M., Mähler, A., Wilck, N., Markó, L., Tilic, E., Forslund, S. K., Binger, K. J., Stegbauer, J., Dechend, R., ... Müller, D. N. (2021). Salt Transiently Inhibits Mitochondrial Energetics in Mononuclear Phagocytes. *Circulation*, *144*(2), 144–158. <https://doi.org/10.1161/CIRCULATIONAHA.120.052788>
- Geramoutsos, I., Gyftopoulos, K., Perimenis, P., Thanou, V., Liagka, D., Siambli, D., & Barbalias, G. (2004). Clinical correlation of prostatic lithiasis with chronic pelvic pain syndromes in young adults. *European urology*, *45*(3), 333–338. <https://doi.org/10.1016/j.eururo.2003.09.020>
- Ghafouri-Fard, S., Shabestari, F. A., Vaezi, S., Abak, A., Shoorei, H., Karimi, A., Taheri, M., & Basiri, A. (2021). Emerging impact of quercetin in the treatment of prostate cancer. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, *138*, 111548. <https://doi.org/10.1016/j.biopha.2021.111548>
- Giovannucci, E., Liu, Y., Stampfer, M. J., & Willett, W. C. (2006). A prospective study of calcium intake and incident and fatal prostate cancer. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, *15*(2), 203–210. <https://doi.org/10.1158/1055-9965.EPI-05-0586>
- Giovannucci, E., Rimm, E. B., Wolk, A., Ascherio, A., Stampfer, M. J., Colditz, G. A., & Willett, W. C. (1998). Calcium and fructose intake in relation to risk of prostate cancer. *Cancer research*, *58*(3), 442–447.
- Golombick T., Diamond T. H., Manoharan A., Ramakrishna R. (2015). The Effect of Curcumin (as Meriva) on Absolute Lymphocyte Count (ALC), NK Cells and T Cell Populations in Patients with Stage 0/1 Chronic Lymphocytic Leukemia. *J Cancer Ther*; 6: 566-571.
- Gong, Z., Kristal, A. R., Schenk, J. M., Tangen, C. M., Goodman, P. J., & Thompson, I. M. (2009). Alcohol consumption, finasteride, and prostate cancer risk: results from the Prostate Cancer Prevention Trial. *Cancer*, *115*(16), 3661–3669. <https://doi.org/10.1002/cncr.24423>
- Gravina, A. G., Pellegrino, R., Facchiano, A., Palladino, G., Loguercio, C., & Federico, A. (2021). Evaluation of the Efficacy and Safety of a Compound of Micronized Flavonoids in Combination With Vitamin C and Extracts of *Centella asiatica*, *Vaccinium myrtillus*, and *Vitis vinifera* for the Reduction of Hemorrhoidal Symptoms in Patients With Grade II and III Hemorrhoidal Disease: A Retrospective Real-Life Study. *Frontiers in pharmacology*, *12*, 773320. <https://doi.org/10.3389/fphar.2021.773320>
- Gröber U., Spitz J., Holick M. F., Wacker M., Kisters K. (2013). Vitamin D: Update 2013: Von der Rachitis-Prophylaxe zur allgemeinen Gesundheitsvorsorge. *Deutsche Apotheker Zeitung*; 153(15): 1518-1526. URL: <https://www.deutsche-apotheker-zeitung.de/daz-az/2013/daz-15-2013/von-der-rachitis-prophylaxe-zur-allgemeinen-gesundheitsvorsorge> (30.09.2021)
- Gu F (2000): Epidemiological survey of benign prostatic hyperplasia and prostatic cancer in China. *Chin Med J (Engl)*; 113(4): 299-302.
- Güntherth A. (2013). *Psychosomatische Urologie. Leitfaden für die Praxis*. 2. Auflage. Schattauer GmbH, Stuttgart.
- Gupta, S., Hussain, T., & Mukhtar, H. (2003). Molecular pathway for (-)-epigallocatechin-3-gallate-induced cell cycle arrest and apoptosis of human prostate carcinoma cells. *Archives of biochemistry and biophysics*, *410*(1), 177–185. [https://doi.org/10.1016/s0003-9861\(02\)00668-9](https://doi.org/10.1016/s0003-9861(02)00668-9)
- Gysin, R., Azzi, A., & Visarius, T. (2002). Gamma-tocopherol inhibits human cancer cell cycle progression and cell proliferation by down-regulation of cyclins. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, *16*(14), 1952–1954. <https://doi.org/10.1096/fj.02-0362fje>
- Hadi, S. M., Asad, S. F., Singh, S., & Ahmad, A. (2000). Putative mechanism for anticancer and apoptosis-inducing properties of plant-derived polyphenolic compounds. *IUBMB life*, *50*(3), 167–171. <https://doi.org/10.1080/152165400300001471>
- Hamarsheh, S., & Zeiser, R. (2020). NLRP3 Inflammasome Activation in Cancer: A Double-Edged Sword. *Frontiers in immunology*, *11*, 1444. <https://doi.org/10.3389/fimmu.2020.01444>
- Handelman, G. J., Machlin, L. J., Fitch, K., Weiter, J. J., & Dratz, E. A. (1985). Oral alpha-tocopherol supplements decrease plasma gamma-tocopherol levels in humans. *The Journal of nutrition*, *115*(6), 807–813. <https://doi.org/10.1093/jn/115.6.807>
- Harada, K., Igari, D., & Tanahashi, Y. (1979). Gray scale transrectal ultrasonography of the prostate. *Journal of clinical ultrasound : JCU*, *7*(1), 45–49. <https://doi.org/10.1002/jcu.1870070113>
- Harris R. E. (2009). Cyclooxygenase-2 (cox-2) blockade in the chemoprevention of cancers of the colon, breast, prostate, and lung. *Inflammopharmacology*, *17*(2), 55–67. <https://doi.org/10.1007/s10787-009-8049-8>
- Harris, R. E., Beebe, J., & Alshafie, G. A. (2012). Reduction in cancer risk by selective and nonselective cyclooxygenase-2 (COX-2) inhibitors. *Journal of experimental pharmacology*, *4*, 91–96. <https://doi.org/10.2147/JEP.S23826>
- Hassler O. (1968). Calcifications in the prostate gland and adjacent tissues. A combined biophysical and histological study. *Pathologia et microbiologia*, *31*(2), 97–107. <https://doi.org/10.1159/000162008>
- Hastak, K., Gupta, S., Ahmad, N., Agarwal, M. K., Agarwal, M. L., & Mukhtar, H. (2003). Role of p53 and NF-kappaB in epigallocatechin-3-gallate-induced apoptosis of LNCaP cells. *Oncogene*, *22*(31), 4851–4859. <https://doi.org/10.1038/sj.onc.1206708>
- He, H., Xie, B., & Xie, L. (2018). Male pattern baldness and incidence of prostate cancer: A systematic review and meta-analysis. *Medicine*, *97*(28), e11379. <https://doi.org/10.1097/MD.00000000000011379>
- Helzlsouer, K. J., Huang, H. Y., Alberg, A. J., Hoffman, S., Burke, A., Norkus, E. P., Morris, J. S., & Comstock, G. W. (2000). Association between alpha-tocopherol, gamma-tocopherol, selenium, and subsequent prostate cancer. *Journal of the National Cancer Institute*, *92*(24), 2018–2023. <https://doi.org/10.1093/jnci/92.24.2018>
- Herr, I., & Büchler, M. W. (2010). Dietary constituents of broccoli and other cruciferous vegetables: implications for prevention and therapy of cancer. *Cancer treatment reviews*, *36*(5), 377–383. <https://doi.org/10.1016/j.ctrv.2010.01.002>

- Herr I., Rausch V., Büchler M. W. (2013). Senfölbombe der Kreuzblütler – pflanzlicher Verteidigungsmechanismus mit therapeutischer Wirkung. *DZO*; 45: 4-13.
- Ho C. H., Sood T., Zito P. M.. Androgenetic Alopecia. [Updated 2020 Sep 29]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK430924/>
- Hobbs, M. M., Lapple, D. M., Lawing, L. F., Schwebke, J. R., Cohen, M. S., Swygard, H., Atashili, J., Leone, P. A., Miller, W. C., & Seña, A. C. (2006). Methods for detection of *Trichomonas vaginalis* in the male partners of infected women: implications for control of trichomoniasis. *Journal of clinical microbiology*, 44(11), 3994–3999. <https://doi.org/10.1128/JCM.00952-06>
- Hochreiter, W. W., Duncan, J. L., & Schaeffer, A. J. (2000). Evaluation of the bacterial flora of the prostate using a 16S rRNA gene based polymerase chain reaction. *The Journal of urology*, 163(1), 127–130.
- Holick M. F. (2007). Vitamin D deficiency. *The New England journal of medicine*, 357(3), 266–281. <https://doi.org/10.1056/NEJMra070553>
- Hong, M. Y., Seeram, N. P., & Heber, D. (2008). Pomegranate polyphenols down-regulate expression of androgen-synthesizing genes in human prostate cancer cells overexpressing the androgen receptor. *The Journal of nutritional biochemistry*, 19(12), 848–855. <https://doi.org/10.1016/j.jnutbio.2007.11.006>
- Howell, A. B., & D'Souza, D. H. (2013). The pomegranate: effects on bacteria and viruses that influence human health. *Evidence-based complementary and alternative medicine : eCAM*, 2013, 606212. <https://doi.org/10.1155/2013/606212>
- Howells, L. M., Sale, S., Sriramareddy, S. N., Irving, G. R., Jones, D. J., Ottley, C. J., Pearson, D. G., Mann, C. D., Manson, M. M., Berry, D. P., Gescher, A., Steward, W. P., & Brown, K. (2011). Curcumin ameliorates oxaliplatin-induced chemoresistance in HCT116 colorectal cancer cells in vitro and in vivo. *International journal of cancer*, 129(2), 476–486. <https://doi.org/10.1002/ijc.25670>
- Huang, H. Y., & Appel, L. J. (2003). Supplementation of diets with alpha-tocopherol reduces serum concentrations of gamma- and delta-tocopherol in humans. *The Journal of nutrition*, 133(10), 3137–3140. <https://doi.org/10.1093/jn/133.10.3137>
- Hung, S. C., Lai, S. W., Tsai, P. Y., Chen, P. C., Wu, H. C., Lin, W. H., & Sung, F. C. (2013). Synergistic interaction of benign prostatic hyperplasia and prostatitis on prostate cancer risk. *British journal of cancer*, 108(9), 1778–1783. <https://doi.org/10.1038/bjc.2013.184>
- Hurst, R., Meader, E., Gihawi, A., Rallapalli, G., Clark, J., Kay, G. L., Webb, M., Manley, K., Curley, H., Walker, H., Kumar, R., Schmidt, K., Crossman, L., Eeles, R. A., Wedge, D. C., Lynch, A. G., Massie, C. E., CRUK-ICGC Prostate Group, Yazbek-Hanna, M., Rochester, M., ... Cooper, C. S. (2022). Microbiomes of Urine and the Prostate Are Linked to Human Prostate Cancer Risk Groups. *European urology oncology*, 5(4), 412–419. <https://doi.org/10.1016/j.euo.2022.03.006>
- Hyun J. S. (2018). Clinical Significance of Prostatic Calculi: A Review. *The world journal of men's health*, 36(1), 15–21. <https://doi.org/10.5534/wjmh.17018>
- Irby, R. B., & Yeatman, T. J. (2000). Role of Src expression and activation in human cancer. *Oncogene*, 19(49), 5636–5642. <https://doi.org/10.1038/sj.onc.1203912>
- Jacob L. M. (2014). Prostatakrebs-Kompass. Prävention und komplementäre Therapie mit der richtigen Ernährungs- und Lebensweise. Nutricamedia Verlag. Ingelheim.
- Jacobsen, B. K., Knutsen, S. F., & Fraser, G. E. (1998). Does high soy milk intake reduce prostate cancer incidence? The Adventist Health Study (United States). *Cancer causes & control : CCC*, 9(6), 553–557. <https://doi.org/10.1023/a:1008819500080>
- Jensen, H. D., Struve, C., Christensen, S. B., & Krogfelt, K. A. (2017). Cranberry Juice and Combinations of Its Organic Acids Are Effective against Experimental Urinary Tract Infection. *Frontiers in microbiology*, 8, 542. <https://doi.org/10.3389/fmicb.2017.00542>
- Jeon H. J., Chung H. C., Song J. M. (2005). Effects of residual prostatic calculi on lower urinary tract symptoms after transurethral resection of prostate. *Korean J Urol*; 46:569-73
- Jian, L., Xie, L. P., Lee, A. H., & Binns, C. W. (2004). Protective effect of green tea against prostate cancer: a case-control study in southeast China. *International journal of cancer*, 108(1), 130–135. <https://doi.org/10.1002/ijc.11550>
- Jiang, Q., Wong, J., & Ames, B. N. (2004a). Gamma-tocopherol induces apoptosis in androgen-responsive LNCaP prostate cancer cells via caspase-dependent and independent mechanisms. *Annals of the New York Academy of Sciences*, 1031, 399–400. <https://doi.org/10.1196/annals.1331.056>
- Jiang, Q., Wong, J., Fyrst, H., Saba, J. D., & Ames, B. N. (2004b). gamma-Tocopherol or combinations of vitamin E forms induce cell death in human prostate cancer cells by interrupting sphingolipid synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, 101(51), 17825–17830. <https://doi.org/10.1073/pnas.0408340102>
- Jo, S., Kim, S., Shin, D. H., & Kim, M. S. (2020). Inhibition of SARS-CoV 3CL protease by flavonoids. *Journal of enzyme inhibition and medicinal chemistry*, 35(1), 145–151. <https://doi.org/10.1080/14756366.2019.1690480>
- Jung, Y. H., Heo, J., Lee, Y. J., Kwon, T. K., & Kim, Y. H. (2010). Quercetin enhances TRAIL-induced apoptosis in prostate cancer cells via increased protein stability of death receptor 5. *Life sciences*, 86(9-10), 351–357. <https://doi.org/10.1016/j.lfs.2010.01.008>
- Kallifatidis, G., Labsch, S., Rausch, V., Mattern, J., Gladkich, J., Moldenhauer, G., Büchler, M. W., Salnikov, A. V., & Herr, I. (2011). Sulforaphane increases drug-mediated cytotoxicity toward cancer stem-like cells of pancreas and prostate. *Molecular therapy : the journal of the American Society of Gene Therapy*, 19(1), 188–195. <https://doi.org/10.1038/mt.2010.216>
- Kallifatidis, G., Rausch, V., Baumann, B., Apel, A., Beckermann, B. M., Groth, A., Mattern, J., Li, Z., Kolb, A., Moldenhauer, G., Altevogt, P., Wirth, T., Schemmer, P., Büchler, M. W., Salnikov, A. V., & Herr, I. (2009). Sulforaphane targets pancreatic tumour-initiating cells by NF-kappaB-induced antiapoptotic signalling. *Gut*, 58(7), 949–963. <https://doi.org/10.1136/gut.2008.149039>
- Karaiskos, I., Galani, L., Sakka, V., Gkoufa, A., Sopilidis, O., Chalikopoulos, D., Alivizatos, G., & Giamarellou, E. (2019). Oral fosfomycin for the treatment of chronic bacterial prostatitis. *The Journal of antimicrobial chemotherapy*, 74(5), 1430–1437. <https://doi.org/10.1093/jac/dkz015>
- Keay, S., Zhang, C. O., Baldwin, B. R., & Alexander, R. B. (1999). Polymerase chain reaction amplification of bacterial 16s rRNA genes in prostate biopsies from men without chronic prostatitis. *Urology*, 53(3), 487–491. [https://doi.org/10.1016/s0090-4295\(98\)00553-6](https://doi.org/10.1016/s0090-4295(98)00553-6)

- Kelly G. (1997). The coenzyme forms of vitamin B12: Toward an understanding of their therapeutic potential. *Alternative Medicine Review*, 2(6): 459-471.
- Kenfield, S. A., Stampfer, M. J., Giovannucci, E., & Chan, J. M. (2011). Physical activity and survival after prostate cancer diagnosis in the health professionals follow-up study. *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*, 29(6), 726–732. <https://doi.org/10.1200/JCO.2010.31.5226>
- Khan, N., & Mukhtar, H. (2013). Modulation of signaling pathways in prostate cancer by green tea polyphenols. *Biochemical pharmacology*, 85(5), 667–672. <https://doi.org/10.1016/j.bcp.2012.09.027>
- Kikuchi, N., Ohmori, K., Shimazu, T., Nakaya, N., Kuriyama, S., Nishino, Y., Tsubono, Y., & Tsuji, I. (2006). No association between green tea and prostate cancer risk in Japanese men: the Ohsaki Cohort Study. *British journal of cancer*, 95(3), 371–373. <https://doi.org/10.1038/sj.bjc.6603230>
- Kim, H. W., Chung, D. H., Kim, S. A., & Rhee, M. S. (2019). Synergistic cranberry juice combinations with natural-borne antimicrobials for the eradication of uropathogenic *Escherichia coli* biofilm within a short time. *Letters in applied microbiology*, 68(4), 321–328. <https://doi.org/10.1111/lam.13140>
- Kim, J. H., Moon, H. S., Kim, K. S., Hwang, H. S., Ryu, J. S., & Park, S. Y. (2019). Comparison of Seropositivity to *Trichomonas vaginalis* between Men with Prostatic Tumor and Normal Men. *The Korean journal of parasitology*, 57(1), 21–25. <https://doi.org/10.3347/kjp.2019.57.1.21>
- Kim, N. D., Mehta, R., Yu, W., Neeman, I., Livney, T., Amichay, A., Poirier, D., Nicholls, P., Kirby, A., Jiang, W., Mansel, R., Ramachandran, C., Rabi, T., Kaplan, B., & Lansky, E. (2002). Chemopreventive and adjuvant therapeutic potential of pomegranate (*Punica granatum*) for human breast cancer. *Breast cancer research and treatment*, 71(3), 203–217. <https://doi.org/10.1023/a:1014405730585>
- Kim W. B., Doo S. W., Yang W. J., Song Y. S. (2011). Influence of prostatic calculi on lower urinary tract symptoms in middle-aged men. *Urology*.78:447-449.
- Kirby, R. S., Lowe, D., Bultitude, M. I., & Shuttleworth, K. E. (1982). Intra-prostatic urinary reflux: an aetiological factor in abacterial prostatitis. *British journal of urology*, 54(6), 729–731. <https://doi.org/10.1111/j.1464-410x.1982.tb13635.x>
- Köseoğlu, H., Aslan, G., Sen, B. H., Tuna, B., & Yörükoğlu, K. (2010). Litiasis prostática: cálculos silentes [Prostatic calculi: silent stones]. *Actas urológicas españolas*, 34(6), 555–559.
- Kovac, E., Carlsson, S. V., Lilja, H., Hugosson, J., Kattan, M. W., Holmberg, E., & Stephenson, A. J. (2020). Association of Baseline Prostate-Specific Antigen Level With Long-term Diagnosis of Clinically Significant Prostate Cancer Among Patients Aged 55 to 60 Years: A Secondary Analysis of a Cohort in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial. *JAMA network open*, 3(1), e1919284. <https://doi.org/10.1001/jamanetworkopen.2019.19284>
- Krieger, J. N., Riley, D. E., Roberts, M. C., & Berger, R. E. (1996). Prokaryotic DNA sequences in patients with chronic idiopathic prostatitis. *Journal of clinical microbiology*, 34(12), 3120–3128. <https://doi.org/10.1128/jcm.34.12.3120-3128.1996>
- Kulchavenya E. B., Brijatyuk E. B., Hamster B. T., Schewtschenko S. J. (2017). Method of treatment of chronic prostatite complicated by stones of prostate. Patent RU2634685C1. URL: <https://patents.google.com/patent/RU2634685C1/en> (29.06.2022)
- Kuo, Y. J., Sung, F. C., Hsieh, P. F., Chang, H. P., Wu, K. L., & Wu, H. C. (2019). Metformin reduces prostate cancer risk among men with benign prostatic hyperplasia: A nationwide population-based cohort study. *Cancer medicine*, 8(5), 2514–2523. <https://doi.org/10.1002/cam4.2025>
- Lansky, E. P., Harrison, G., Froom, P., & Jiang, W. G. (2005b). Pomegranate (*Punica granatum*) pure chemicals show possible synergistic inhibition of human PC-3 prostate cancer cell invasion across Matrigel. *Investigational new drugs*, 23(2), 121–122. <https://doi.org/10.1007/s10637-005-5856-7>
- Lansky, E. P., Jiang, W., Mo, H., Bravo, L., Froom, P., Yu, W., Harris, N. M., Neeman, I., & Campbell, M. J. (2005a). Possible synergistic prostate cancer suppression by anatomically discrete pomegranate fractions. *Investigational new drugs*, 23(1), 11–20. <https://doi.org/10.1023/B:DRUG.0000047101.02178.07>
- Lee B. E., Kim S. K. (1989). The effects of concomitant prostatic calculi to the therapeutic results in patients with chronic bacterial prostatitis. *Korean J Urol*; 30:876-84.
- Lee, P. C., Hu, Y. W., Hung, M. H., Chen, C. C., Lin, H. C., Lee, F. Y., Hung, Y. P., Yi-Fong Su, V., Yen, S. H., Tzeng, C. H., Chiou, T. J., & Liu, C. J. (2013). The risk of cancer in patients with benign anal lesions: a nationwide population-based study. *The American journal of medicine*, 126(12), 1143.e9–1143.e1.143E18. <https://doi.org/10.1016/j.amjmed.2013.05.016>
- Lee, W. S., & Lee, H. J. (2012). Characteristics of androgenetic alopecia in asian. *Annals of dermatology*, 24(3), 243–252. <https://doi.org/10.5021/ad.2012.24.3.243>
- Lie, C., Liew, C. F., & Oon, H. H. (2018). Alopecia and the metabolic syndrome. *Clinics in dermatology*, 36(1), 54–61. <https://doi.org/10.1016/j.clindermatol.2017.09.009>
- Lin, K. I., Chattopadhyay, N., Bai, M., Alvarez, R., Dang, C. V., Baraban, J. M., Brown, E. M., & Ratan, R. R. (1998). Elevated extracellular calcium can prevent apoptosis via the calcium-sensing receptor. *Biochemical and biophysical research communications*, 249(2), 325–331. <https://doi.org/10.1006/bbrc.1998.9124>
- Lippman, S. M., Klein, E. A., Goodman, P. J., Lucia, M. S., Thompson, I. M., Ford, L. G., Parnes, H. L., Minasian, L. M., Gaziano, J. M., Hartline, J. A., Parsons, J. K., Bearden, J. D., 3rd, Crawford, E. D., Goodman, G. E., Claudio, J., Winquist, E., Cook, E. D., Karp, D. D., Walther, P., Lieber, M. M., ... Coltman, C. A., Jr (2009). Effect of selenium and vitamin E on risk of prostate cancer and other cancers: the Selenium and Vitamin E Cancer Prevention Trial (SELECT). *JAMA*, 301(1), 39–51. <https://doi.org/10.1001/jama.2008.864>
- Lipsky, B. A., Byren, I., & Hoey, C. T. (2010). Treatment of bacterial prostatitis. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 50(12), 1641–1652. <https://doi.org/10.1086/652861>
- Liu, H., Zhang, L., & Lu, S. (2012). Evaluation of antioxidant and immunity activities of quercetin in isoproterenol-treated rats. *Molecules (Basel, Switzerland)*, 17(4), 4281–4291. <https://doi.org/10.3390/molecules17044281>

- Loder, P. B., Kamm, M. A., Nicholls, R. J., & Phillips, R. K. (1994). Haemorrhoids: pathology, pathophysiology and aetiology. *The British journal of surgery*, 81(7), 946–954. <https://doi.org/10.1002/bjs.1800810707>
- Lu, M., Dai, T., Murray, C. K., & Wu, M. X. (2018). Bactericidal Property of Oregano Oil Against Multidrug-Resistant Clinical Isolates. *Frontiers in microbiology*, 9, 2329. <https://doi.org/10.3389/fmicb.2018.02329>
- Ma, Z., Yue, L., Xu, Z., Zeng, S., Ma, Y., Li, Z., Li, W., & Wang, D. (2018). The effect of mast cells on the biological characteristics of prostate cancer cells. *Central-European journal of immunology*, 43(1), 1–8. <https://doi.org/10.5114/ceji.2018.74867>
- Malik, A., Afaq, F., Sarfaraz, S., Adhami, V. M., Syed, D. N., & Mukhtar, H. (2005). Pomegranate fruit juice for chemoprevention and chemotherapy of prostate cancer. *Proceedings of the National Academy of Sciences of the United States of America*, 102(41), 14813–14818. <https://doi.org/10.1073/pnas.0505870102>
- Manach, C., Scalbert, A., Morand, C., Rémésy, C., & Jiménez, L. (2004). Polyphenols: food sources and bioavailability. *The American journal of clinical nutrition*, 79(5), 727–747. <https://doi.org/10.1093/ajcn/79.5.727>
- Martel, J., Peng, H. H., Young, D., Wu, C. Y., & Young, J. D. (2014). Of nanobacteria, nanoparticles, biofilms and their role in health and disease: facts, fancy and future. *Nanomedicine (London, England)*, 9(4), 483–499. <https://doi.org/10.2217/nnm.13.221>
- Martillo, M. A., Nazzari, L., & Crittenden, D. B. (2014). The crystallization of monosodium urate. *Current rheumatology reports*, 16(2), 400. <https://doi.org/10.1007/s11926-013-0400-9>
- McConnell, J. D., Bruskwitz, R., Walsh, P., Andriole, G., Lieber, M., Holtgrewe, H. L., Albertsen, P., Roehrborn, C. G., Nickel, J. C., Wang, D. Z., Taylor, A. M., & Waldstreicher, J. (1998). The effect of finasteride on the risk of acute urinary retention and the need for surgical treatment among men with benign prostatic hyperplasia. Finasteride Long-Term Efficacy and Safety Study Group. *The New England journal of medicine*, 338(9), 557–563. <https://doi.org/10.1056/NEJM199802263380901>
- McVary K. T. (2006). BPH: epidemiology and comorbidities. *The American journal of managed care*, 12(5 Suppl), S122–S128.
- Meng, X., Li, Y., Li, S., Zhou, Y., Gan, R. Y., Xu, D. P., & Li, H. B. (2017). Dietary Sources and Bioactivities of Melatonin. *Nutrients*, 9(4), 367. <https://doi.org/10.3390/nu9040367>
- Mills, E., Wu, P., Seely, D., & Guyatt, G. (2005). Melatonin in the treatment of cancer: a systematic review of randomized controlled trials and meta-analysis. *Journal of pineal research*, 39(4), 360–366. <https://doi.org/10.1111/j.1600-079X.2005.00258.x>
- Mitteregger, D., Aberle, S. W., Makrithatis, A., Walochnik, J., Brozek, W., Marberger, M., & Kramer, G. (2012). High detection rate of Trichomonas vaginalis in benign hyperplastic prostatic tissue. *Medical microbiology and immunology*, 201(1), 113–116. <https://doi.org/10.1007/s00430-011-0205-2>
- Mlcek, J., Jurikova, T., Skrovankova, S., & Sochor, J. (2016). Quercetin and Its Anti-Allergic Immune Response. *Molecules (Basel, Switzerland)*, 21(5), 623. <https://doi.org/10.3390/molecules21050623>
- Möller-Levet, C. S., Archer, S. N., Bucca, G., Laing, E. E., Slak, A., Kabiljo, R., Lo, J. C., Santhi, N., von Schantz, M., Smith, C. P., & Dijk, D. J. (2013). Effects of insufficient sleep on circadian rhythmicity and expression amplitude of the human blood transcriptome. *Proceedings of the National Academy of Sciences of the United States of America*, 110(12), E1132–E1141. <https://doi.org/10.1073/pnas.1217154110>
- Monograph. Diosmin. (2004). *Alternative medicine review : a journal of clinical therapeutic*, 9(3), 308–311.
- Montgomery, R. B., Mostaghel, E. A., Vessella, R., Hess, D. L., Kalhorn, T. F., Higano, C. S., True, L. D., & Nelson, P. S. (2008). Maintenance of intratumoral androgens in metastatic prostate cancer: a mechanism for castration-resistant tumor growth. *Cancer research*, 68(11), 4447–4454. <https://doi.org/10.1158/0008-5472.CAN-08-0249>
- Moyad, M. A., Brumfield, S. K., & Pienta, K. J. (1999). Vitamin E, alpha- and gamma-tocopherol, and prostate cancer. *Seminars in urologic oncology*, 17(2), 85–90.
- Muller, D. C., Giles, G. G., Sinclair, R., Hopper, J. L., English, D. R., & Severi, G. (2013). Age-dependent associations between androgenetic alopecia and prostate cancer risk. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 22(2), 209–215. <https://doi.org/10.1158/1055-9965.EPI-12-0860>
- Muñoz-Quezada, S., Bermudez-Brito, M., Chenoll, E., Genovés, S., Gomez-Llorente, C., Plaza-Diaz, J., Matencio, E., Bernal, M. J., Romero, F., Ramón, D., & Gil, A. (2013). Competitive inhibition of three novel bacteria isolated from faeces of breast milk-fed infants against selected enteropathogens. *The British journal of nutrition*, 109 Suppl 2, S63–S69. <https://doi.org/10.1017/S0007114512005600>
- Mykoniatis, I., Pyrgidis, N., Sokolakis, I., Sountoulides, P., Hatzichristodoulou, G., Apostolidis, A., & Hatzichristou, D. (2021). Low-intensity shockwave therapy for the management of chronic prostatitis/chronic pelvic pain syndrome: a systematic review and meta-analysis. *BJU international*, 128(2), 144–152. <https://doi.org/10.1111/bju.15335>
- Niedermaier, T., Gredner, T., Kuznia, S., Schöttker, B., Mons, U., & Brenner, H. (2021). Vitamin D supplementation to the older adult population in Germany has the cost-saving potential of preventing almost 30 000 cancer deaths per year. *Molecular oncology*, 15(8), 1986–1994. <https://doi.org/10.1002/1878-0261.12924>
- Nielsen F. H. (2008). Is boron nutritionally relevant?. *Nutrition reviews*, 66(4), 183–191. <https://doi.org/10.1111/j.1753-4887.2008.00023.x>
- Nimptsch, K., Rohrmann, S., & Linseisen, J. (2008). Dietary intake of vitamin K and risk of prostate cancer in the Heidelberg cohort of the European Prospective Investigation into Cancer and Nutrition (EPIC-Heidelberg). *The American journal of clinical nutrition*, 87(4), 985–992. <https://doi.org/10.1093/ajcn/87.4.985>
- Nonomura N., Nakayama M., Takayama H., Nishimura K., Okuyama A. (2008). Molecular-targeted therapy for prostate cancer. *Hinyokika Kyo*; 54(1): 63-66.
- Ornish D. (2001). Die revolutionäre Therapie: Heilen mit Liebe. Krankheiten ohne Medikamente überwinden. Goldmann Verlag, München.
- Ornish, D., Lin, J., Chan, J. M., Epel, E., Kemp, C., Weidner, G., Marlin, R., Frenda, S. J., Magbanua, M., Daubenmier, J., Estay, I., Hills, N. K., Chainani-Wu, N., Carroll, P. R., & Blackburn, E. H. (2013). Effect of comprehensive lifestyle changes on telomerase activity and

- telomere length in men with biopsy-proven low-risk prostate cancer: 5-year follow-up of a descriptive pilot study. *The Lancet. Oncology*, 14(11), 1112–1120. [https://doi.org/10.1016/S1470-2045\(13\)70366-8](https://doi.org/10.1016/S1470-2045(13)70366-8)
- Ornish, D., Lin, J., Daubenmier, J., Weidner, G., Epel, E., Kemp, C., Magbanua, M. J., Marlin, R., Yglecias, L., Carroll, P. R., & Blackburn, E. H. (2008). Increased telomerase activity and comprehensive lifestyle changes: a pilot study. *The Lancet. Oncology*, 9(11), 1048–1057. [https://doi.org/10.1016/S1470-2045\(08\)70234-1](https://doi.org/10.1016/S1470-2045(08)70234-1)
- Ornish, D., Magbanua, M. J., Weidner, G., Weinberg, V., Kemp, C., Green, C., Mattie, M. D., Marlin, R., Simko, J., Shinohara, K., Haqq, C. M., & Carroll, P. R. (2008). Changes in prostate gene expression in men undergoing an intensive nutrition and lifestyle intervention. *Proceedings of the National Academy of Sciences of the United States of America*, 105(24), 8369–8374. <https://doi.org/10.1073/pnas.0803080105>
- Paller, C. J., Ye, X., Wozniak, P. J., Gillespie, B. K., Sieber, P. R., Greengold, R. H., Stockton, B. R., Hertzman, B. L., Efros, M. D., Roper, R. P., Liker, H. R., & Carducci, M. A. (2013). A randomized phase II study of pomegranate extract for men with rising PSA following initial therapy for localized prostate cancer. *Prostate cancer and prostatic diseases*, 16(1), 50–55. <https://doi.org/10.1038/pcan.2012.20>
- Pantuck, A. J., Leppert, J. T., Zomorodian, N., Aronson, W., Hong, J., Barnard, R. J., Seeram, N., Liker, H., Wang, H., Elashoff, R., Heber, D., Aviram, M., Ignarro, L., & Belledgrun, A. (2006). Phase II study of pomegranate juice for men with rising prostate-specific antigen following surgery or radiation for prostate cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 12(13), 4018–4026. <https://doi.org/10.1158/1078-0432.CCR-05-2290>
- Pantuck, A. J., Leppert, J. T., Zomorodian, N., Aronson, W., Hong, J., Barnard, R. J., Seeram, N., Liker, H., Wang, H., Elashoff, R., Heber, D., Aviram, M., Ignarro, L., & Belledgrun, A. (2006). Phase II study of pomegranate juice for men with rising prostate-specific antigen following surgery or radiation for prostate cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 12(13), 4018–4026. <https://doi.org/10.1158/1078-0432.CCR-05-2290>
- Parent, M. É., El-Zein, M., Rousseau, M. C., Pintos, J., & Siemiatycki, J. (2012). Night work and the risk of cancer among men. *American journal of epidemiology*, 176(9), 751–759. <https://doi.org/10.1093/aje/kws318>
- Park S. W., Nam J. K., Lee S. D., Chung M. K. (2010). Are prostatic calculi independent predictive factors of lower urinary tract symptoms? *Asian J Androl*.12:221-226.
- Pejler, G., Hu Frisk, J. M., Sjöström, D., Paivandy, A., & Öhrvik, H. (2017). Acidic pH is essential for maintaining mast cell secretory granule homeostasis. *Cell death & disease*, 8(5), e2785. <https://doi.org/10.1038/cddis.2017.206>
- Perera, N., Liolitsa, D., Iype, S., Croxford, A., Yassin, M., Lang, P., Ukaegbu, O., & van Issum, C. (2012). Phlebotonics for haemorrhoids. *The Cochrane database of systematic reviews*, (8), CD004322. <https://doi.org/10.1002/14651858.CD004322.pub3>
- Pescatori E. S., Pirozzi Farina F. (2009). Painful Ejaculation: A Review *Urologia*, 76(4), 230–235.
- Ramsamy, K., Subramanian, R., & Patra, A. K. (2016). An observational Study of the Association between Androgenetic Alopecia and Size of the Prostate. *International journal of trichology*, 8(2), 62–66. <https://doi.org/10.4103/0974-7753.188034>
- Rao, D., Yu, H., Bai, Y., Zheng, X., & Xie, L. (2015). Does night-shift work increase the risk of prostate cancer? a systematic review and meta-analysis. *OncoTargets and therapy*, 8, 2817–2826. <https://doi.org/10.2147/OTT.S89769>
- Rausch, V., Liu, L., Kallifatidis, G., Baumann, B., Mattern, J., Gladkich, J., Wirth, T., Schemmer, P., Büchler, M. W., Zöller, M., Salnikov, A. V., & Herr, I. (2010). Synergistic activity of sorafenib and sulforaphane abolishes pancreatic cancer stem cell characteristics. *Cancer research*, 70(12), 5004–5013. <https://doi.org/10.1158/0008-5472.CAN-10-0066>
- Riemann, D., Klein, T., Rodenbeck, A., Feige, B., Horny, A., Hummel, R., Weske, G., Al-Shajlawi, A., & Voderholzer, U. (2002). Nocturnal cortisol and melatonin secretion in primary insomnia. *Psychiatry research*, 113(1-2), 17–27. [https://doi.org/10.1016/S0165-1781\(02\)00249-4](https://doi.org/10.1016/S0165-1781(02)00249-4)
- Riva, A., Ronchi, M., Petrangolini, G., Bosisio, S., & Allegrini, P. (2019). Improved Oral Absorption of Quercetin from Quercetin Phytosome®, a New Delivery System Based on Food Grade Lecithin. *European journal of drug metabolism and pharmacokinetics*, 44(2), 169–177. <https://doi.org/10.1007/s13318-018-0517-3>
- Roehrborn C. G. (2008). Pathology of benign prostatic hyperplasia. *International journal of impotence research*, 20 Suppl 3, S11–S18. <https://doi.org/10.1038/ijir.2008.55>
- Rosenblat, M., Hayek, T., & Aviram, M. (2006). Anti-oxidative effects of pomegranate juice (PJ) consumption by diabetic patients on serum and on macrophages. *Atherosclerosis*, 187(2), 363–371. <https://doi.org/10.1016/j.atherosclerosis.2005.09.006>
- Ross, R. K., Bernstein, L., Lobo, R. A., Shimizu, H., Stanczyk, F. Z., Pike, M. C., & Henderson, B. E. (1992). 5-alpha-reductase activity and risk of prostate cancer among Japanese and US white and black males. *Lancet (London, England)*, 339(8798), 887–889. [https://doi.org/10.1016/0140-6736\(92\)90927-u](https://doi.org/10.1016/0140-6736(92)90927-u)
- Rosol, M., Pierer, M., Raulien, N., Quandt, D., Meusch, U., Rothe, K., Schubert, K., Schöneberg, T., Schaefer, M., Krügel, U., Smajilovic, S., Bräuner-Osborne, H., Baerwald, C., & Wagner, U. (2012). Extracellular Ca²⁺ is a danger signal activating the NLRP3 inflammasome through G protein-coupled calcium sensing receptors. *Nature communications*, 3, 1329. <https://doi.org/10.1038/ncomms2339>
- Russo, R., Chandradhara, D., & De Tommasi, N. (2018). Comparative Bioavailability of Two Diosmin Formulations after Oral Administration to Healthy Volunteers. *Molecules (Basel, Switzerland)*, 23(9), 2174. <https://doi.org/10.3390/molecules23092174>
- Saleem, M., Adhami, V. M., Siddiqui, I. A., & Mukhtar, H. (2003). Tea beverage in chemoprevention of prostate cancer: a mini-review. *Nutrition and cancer*, 47(1), 13–23. https://doi.org/10.1207/s15327914nc4701_2
- Schlieper, G., Krüger, T., Heiss, A., & Jahnchen-Dechent, W. (2011). A red herring in vascular calcification: 'nanobacteria' are protein-mineral complexes involved in biomineralization. *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*, 26(11), 3436–3439. <https://doi.org/10.1093/ndt/gfr521>
- Schurgers, L. J., Barreto, D. V., Barreto, F. C., Liabeuf, S., Renard, C., Magdeleyns, E. J., Vermeer, C., Choukroun, G., & Massy, Z. A. (2010). The circulating inactive form of matrix gla protein is a surrogate marker for vascular calcification in chronic kidney disease: a

- preliminary report. *Clinical journal of the American Society of Nephrology : CJASN*, 5(4), 568–575. <https://doi.org/10.2215/CJN.07081009>
- Seeram, N. P., Aronson, W. J., Zhang, Y., Henning, S. M., Moro, A., Lee, R. P., Sartippour, M., Harris, D. M., Rettig, M., Suchard, M. A., Pantuck, A. J., Belldegrin, A., & Heber, D. (2007). Pomegranate ellagitannin-derived metabolites inhibit prostate cancer growth and localize to the mouse prostate gland. *Journal of agricultural and food chemistry*, 55(19), 7732–7737. <https://doi.org/10.1021/jf071303g>
- Seña, A. C., Miller, W. C., Hobbs, M. M., Schwebke, J. R., Leone, P. A., Swygard, H., Atashili, J., & Cohen, M. S. (2007). Trichomonas vaginalis infection in male sexual partners: implications for diagnosis, treatment, and prevention. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 44(1), 13–22. <https://doi.org/10.1086/511144>
- Seo, J. H., Yang, H. W., Joo, S. Y., Song, S. M., Lee, Y. R., Ryu, J. S., Yoo, E. S., Lee, W. K., Kong, H. H., Lee, S. E., Lee, W. J., Goo, Y. K., Chung, D. I., & Hong, Y. (2014). Prevalence of Trichomonas vaginalis by PCR in men attending a primary care urology clinic in South Korea. *The Korean journal of parasitology*, 52(5), 551–555. <https://doi.org/10.3347/kjp.2014.52.5.551>
- Serra, R., Ielapi, N., Bitonti, A., Candido, S., Fregola, S., Gallo, A., Loria, A., Muraca, L., Raimondo, L., Velcean, L., Guadagna, S., & Gallelli, L. (2021). Efficacy of a Low-Dose Diosmin Therapy on Improving Symptoms and Quality of Life in Patients with Chronic Venous Disease: Randomized, Double-Blind, Placebo-Controlled Trial. *Nutrients*, 13(3), 999. <https://doi.org/10.3390/nu13030999>
- Sfanos, K. S., Canene-Adams, K., Hempel, H., Yu, S. H., Simons, B. W., Schaeffer, A. J., Schaeffer, E. M., Nelson, W. G., & De Marzo, A. M. (2015). Bacterial Prostatitis Enhances 2-Amino-1-Methyl-6-Phenylimidazo[4,5-b]Pyridine (PhIP)-Induced Cancer at Multiple Sites. *Cancer prevention research (Philadelphia, Pa.)*, 8(8), 683–692. <https://doi.org/10.1158/1940-6207.CAPR-15-0090>
- Sfanos, K. S., Sauvageot, J., Fedor, H. L., Dick, J. D., De Marzo, A. M., & Isaacs, W. B. (2008). A molecular analysis of prokaryotic and viral DNA sequences in prostate tissue from patients with prostate cancer indicates the presence of multiple and diverse microorganisms. *The Prostate*, 68(3), 306–320. <https://doi.org/10.1002/pros.20680>
- Sfanos, K. S., Wilson, B. A., De Marzo, A. M., & Isaacs, W. B. (2009). Acute inflammatory proteins constitute the organic matrix of prostatic corpora amylacea and calculi in men with prostate cancer. *Proceedings of the National Academy of Sciences of the United States of America*, 106(9), 3443–3448. <https://doi.org/10.1073/pnas.0810473106>
- Shafir, S. C., & Sorvillo, F. J. (2006). Viability of Trichomonas vaginalis in urine: epidemiologic and clinical implications. *Journal of clinical microbiology*, 44(10), 3787–3789. <https://doi.org/10.1128/JCM.01287-06>
- Shoskes, D. A., Lee, C. T., Murphy, D., Kefer, J., & Wood, H. M. (2007). Incidence and significance of prostatic stones in men with chronic prostatitis/chronic pelvic pain syndrome. *Urology*, 70(2), 235–238. <https://doi.org/10.1016/j.urology.2007.04.008>
- Shoskes, D. A., Nickel, J. C., & Kattan, M. W. (2010). Phenotypically directed multimodal therapy for chronic prostatitis/chronic pelvic pain syndrome: a prospective study using UPOINT. *Urology*, 75(6), 1249–1253. <https://doi.org/10.1016/j.urology.2010.01.021>
- Shoskes, D. A., Zeitlin, S. I., Shahed, A., & Rajfer, J. (1999). Quercetin in men with category III chronic prostatitis: a preliminary prospective, double-blind, placebo-controlled trial. *Urology*, 54(6), 960–963. [https://doi.org/10.1016/s0090-4295\(99\)00358-1](https://doi.org/10.1016/s0090-4295(99)00358-1)
- Sigurdardottir, L. G., Markt, S. C., Rider, J. R., Haneuse, S., Fall, K., Schernhammer, E. S., Tamimi, R. M., Flynn-Evans, E., Batista, J. L., Launer, L., Harris, T., Aspelund, T., Stampfer, M. J., Gudnason, V., Czeisler, C. A., Lockley, S. W., Valdimarsdottir, U. A., & Mucci, L. A. (2015). Urinary melatonin levels, sleep disruption, and risk of prostate cancer in elderly men. *European urology*, 67(2), 191–194. <https://doi.org/10.1016/j.eururo.2014.07.008>
- Skerk, V., Krhen, I., Schonwald, S., Cajic, V., Markovinovic, L., Roglic, S., Zekan, S., Andracevic, A. T., & Krusic, V. (2004). The role of unusual pathogens in prostatitis syndrome. *International journal of antimicrobial agents*, 24 Suppl 1, S53–S56. <https://doi.org/10.1016/j.ijantimicag.2004.02.010>
- Smith M., Smith J. C. (2020). Repurposing therapeutics for COVID-19: supercomputer-based docking to the SARS-CoV-2 viral spike protein and viral spike protein-human ACE2 interface. *ChemRxiv Preprint*. [10.26434/chemrxiv.11871402.v4](https://doi.org/10.26434/chemrxiv.11871402.v4)
- Smith V. (1965). Prostatic corpora amylacea and their calcification. *Surgical forum*, 16, 501–502.
- Smolski M., Turo R., Whiteside S., Bromage S., Collins G. N. (2015). Prevalence of prostatic calcification subtypes and association with prostate cancer. *Urology*; 85(1):178-181. [10.1016/j.urology.2014.09.026](https://doi.org/10.1016/j.urology.2014.09.026)
- Song, Y., Chavarro, J. E., Cao, Y., Qiu, W., Mucci, L., Sesso, H. D., Stampfer, M. J., Giovannucci, E., Pollak, M., Liu, S., & Ma, J. (2013). Whole milk intake is associated with prostate cancer-specific mortality among U.S. male physicians. *The Journal of nutrition*, 143(2), 189–196. <https://doi.org/10.3945/jn.112.168484>
- Srinivasan, V., Pandi-Perumal, S. R., Brzezinski, A., Bhatnagar, K. P., & Cardinali, D. P. (2011). Melatonin, immune function and cancer. *Recent patents on endocrine, metabolic & immune drug discovery*, 5(2), 109–123. <https://doi.org/10.2174/187221411799015408>
- Srinivasan, V., Spence, D. W., Pandi-Perumal, S. R., Trakht, I., & Cardinali, D. P. (2008). Therapeutic actions of melatonin in cancer: possible mechanisms. *Integrative cancer therapies*, 7(3), 189–203. <https://doi.org/10.1177/1534735408322846>
- Stone, W. L., Krishnan, K., Campbell, S. E., & Palau, V. E. (2014). The role of antioxidants and pro-oxidants in colon cancer. *World journal of gastrointestinal oncology*, 6(3), 55–66. <https://doi.org/10.4251/wjgo.v6.i3.55>
- Street R., Drábek O., Száková J., Mládková L. (2007). Total content and speciation of aluminium in tea leaves and tea infusions. *Food Chemistry*; 104, 1662–1669.
- Su, L. H., Chen, L. S., Lin, S. C., & Chen, H. H. (2013). Association of androgenetic alopecia with mortality from diabetes mellitus and heart disease. *JAMA dermatology*, 149(5), 601–606. <https://doi.org/10.1001/jamadermatol.2013.130>
- Sumner, M. D., Elliott-Eller, M., Weidner, G., Daubenmier, J. J., Chew, M. H., Marlin, R., Raisin, C. J., & Ornish, D. (2005). Effects of pomegranate juice consumption on myocardial perfusion in patients with coronary heart disease. *The American journal of cardiology*, 96(6), 810–814. <https://doi.org/10.1016/j.amjcard.2005.05.026>

- Sun, Y., Selvaraj, S., Varma, A., Derry, S., Sahmoun, A. E., & Singh, B. B. (2013). Increase in serum Ca²⁺/Mg²⁺ ratio promotes proliferation of prostate cancer cells by activating TRPM7 channels. *The Journal of biological chemistry*, 288(1), 255–263. <https://doi.org/10.1074/jbc.M112.393918>
- S3-Leitlinie Prostatakarzinom Version 6.2 – Oktober 2021. Leitlinienprogramm Onkologie. Unter: https://www.leitlinienprogramm-onkologie.de/fileadmin/user_upload/Downloads/Leitlinien/Prostatakarzinom/Version_6/LL_Prostatakarzinom_Langversion_6.2.pdf (Zugriff am 31.08.2022)
- Suzuki M., Willcox B., Willcox C. (2012). The Okinawa Centenarian Study. <http://www.okicent.org/study.html> (abgerufen am 25.05.2012)
- Tang, F., Xu, D., Wang, S., Wong, C. K., Martinez-Fundichely, A., Lee, C. J., Cohen, S., Park, J., Hill, C. E., Eng, K., Bareja, R., Han, T., Liu, E. M., Palladino, A., Di, W., Gao, D., Abida, W., Beg, S., Puca, L., Meneses, M., ... Khurana, E. (2022). Chromatin profiles classify castration-resistant prostate cancers suggesting therapeutic targets. *Science (New York, N.Y.)*, 376(6596), eabe1505. <https://doi.org/10.1126/science.abe1505>
- Tanno, T., & Matsui, W. (2011). Development and maintenance of cancer stem cells under chronic inflammation. *Journal of Nippon Medical School = Nippon Ika Daigaku zasshi*, 78(3), 138–145. <https://doi.org/10.1272/jnms.78.138>
- Tantamango-Bartley, Y., Knutsen, S. F., Knutsen, R., Jacobsen, B. K., Fan, J., Beeson, W. L., Sabate, J., Hadley, D., Jaceldo-Siegl, K., Pennicook, J., Herring, P., Butler, T., Bennett, H., & Fraser, G. (2016). Are strict vegetarians protected against prostate cancer?. *The American journal of clinical nutrition*, 103(1), 153–160. <https://doi.org/10.3945/ajcn.114.106450>
- Thomas B. A., Robert J. T. (1927). Prostatic calculi. *J Urol*.18: 470–493.
- Thomas R., Williams M., Sharma H., Chaudry A., Bellamy P. (2013). The polyphenol rich whole food supplement Pomi-T® proven to have a direct anti-cancer effect in men with prostate cancer. *J Clin Oncol*; 31 (Suppl; abs 5008).
- Thompson, I. M., Goodman, P. J., Tangen, C. M., Lucia, M. S., Miller, G. J., Ford, L. G., Lieber, M. M., Cespedes, R. D., Atkins, J. N., Lippman, S. M., Carlin, S. M., Ryan, A., Szczepanek, C. M., Crowley, J. J., & Coltman, C. A., Jr (2003). The influence of finasteride on the development of prostate cancer. *The New England journal of medicine*, 349(3), 215–224. <https://doi.org/10.1056/NEJMoa030660>
- Tito, A., Colantuono, A., Pirone, L., Pedone, E., Intartaglia, D., Giamundo, G., Conte, I., Vitaglione, P., & Apone, F. (2021). Pomegranate Peel Extract as an Inhibitor of SARS-CoV-2 Spike Binding to Human ACE2 Receptor (*in vitro*): A Promising Source of Novel Antiviral Drugs. *Frontiers in chemistry*, 9, 638187. <https://doi.org/10.3389/fchem.2021.638187>
- Trüeb R. M. (2002). Molecular mechanisms of androgenetic alopecia. *Experimental gerontology*, 37(8-9), 981–990. [https://doi.org/10.1016/s0531-5565\(02\)00093-1](https://doi.org/10.1016/s0531-5565(02)00093-1)
- Tsukatani, T., Sakata, F., Kuroda, R., & Akao, T. (2020). Biofilm Eradication Activity of Herb and Spice Extracts Alone and in Combination Against Oral and Food-Borne Pathogenic Bacteria. *Current microbiology*, 77(9), 2486–2495. <https://doi.org/10.1007/s00284-020-02017-z>
- Tvedt, K. E., Halgunset, J., Kopstad, G., & Haugen, O. A. (1989). Intracellular distribution of calcium and zinc in normal, hyperplastic, and neoplastic human prostate: X-ray microanalysis of freeze-dried cryosections. *The Prostate*, 15(1), 41–51. <https://doi.org/10.1002/pros.2990150105>
- Tzimas, G. N., Afshar, M., Emadali, A., Chevet, E., Vali, H., & Metrakos, P. P. (2004). Correlation of cell necrosis and tissue calcification with ischemia/reperfusion injury after liver transplantation. *Transplantation proceedings*, 36(6), 1766–1768. <https://doi.org/10.1016/j.transproceed.2004.06.013>
- Universitätsklinikum Heidelberg, Sektion Pankreaskarzinomforschung (2015). Patientenstudien mit Brokkolisprossen. URL: <https://www.klinikum.uni-heidelberg.de/Patientenstudien-mit-Brokkolisprossen.138800.0.html> (3.11.2015)
- Vashi P. G., Gupta D., Trukova K., Lambert G. M., Lammersfeld C.; Cancer Treatment Centers of America; Cancer Treatment Centers of America (2013). The association between pre-treatment serum 25-hydroxyvitamin D and survival in stage IV prostate cancer. *J Clin Oncol*; 31 (Suppl; abs 5036).
- Vidlar, A., Student, V., Jr, Vostalova, J., Fromentin, E., Roller, M., Simanek, V., & Student, V. (2016). Cranberry fruit powder (Flowens™) improves lower urinary tract symptoms in men: a double-blind, randomized, placebo-controlled study. *World journal of urology*, 34(3), 419–424. <https://doi.org/10.1007/s00345-015-1611-7>
- Vieth R. (2004). Enzyme kinetics hypothesis to explain the U-shaped risk curve for prostate cancer vs. 25-hydroxyvitamin D in nordic countries. *International journal of cancer*, 111(3), 468–469. <https://doi.org/10.1002/ijc.20218>
- Vieth R. (2009). How to optimize vitamin D supplementation to prevent cancer, based on cellular adaptation and hydroxylase enzymology. *Anticancer research*, 29(9), 3675–3684.
- Wagner, K. H., Kamal-Eldin, A., & Elmadfa, I. (2004). Gamma-tocopherol—an underestimated vitamin?. *Annals of nutrition & metabolism*, 48(3), 169–188. <https://doi.org/10.1159/000079555>
- Wang, G., Song, L., Wang, H., & Xing, N. (2013). Quercetin synergizes with 2-methoxyestradiol inhibiting cell growth and inducing apoptosis in human prostate cancer cells. *Oncology reports*, 30(1), 357–363. <https://doi.org/10.3892/or.2013.2469>
- Wang, T. L., Zhou, C., Shen, Y. W., Wang, X. Y., Ding, X. L., Tian, S., Liu, Y., Peng, G. H., Xue, S. Q., Zhou, J. E., Wang, R. L., Meng, X. M., Pei, G. D., Bai, Y. H., Liu, Q., Li, H., & Zhang, J. Z. (2010). Prevalence of androgenetic alopecia in China: a community-based study in six cities. *The British journal of dermatology*, 162(4), 843–847. <https://doi.org/10.1111/j.1365-2133.2010.09640.x>
- Wang, Y., Gratzke, C., Tamalunas, A., Rutz, B., Ciotkowska, A., Strittmatter, F., Herlemann, A., Janich, S., Waidelich, R., Liu, C., Stief, C. G., & Hennenberg, M. (2016). Smooth muscle contraction and growth of stromal cells in the human prostate are both inhibited by the Src family kinase inhibitors, AZM475271 and PP2. *British journal of pharmacology*, 173(23), 3342–3358. <https://doi.org/10.1111/bph.13623>
- Wang, Y. M., Jin, B. Z., Ai, F., Duan, C. H., Lu, Y. Z., Dong, T. F., & Fu, Q. L. (2012). The efficacy and safety of melatonin in concurrent chemotherapy or radiotherapy for solid tumors: a meta-analysis of randomized controlled trials. *Cancer chemotherapy and pharmacology*, 69(5), 1213–1220. <https://doi.org/10.1007/s00280-012-1828-8>

- Wang, W., Xu, D., Wang, B., Yan, S., Wang, X., Yin, Y., Wang, X., Sun, B., & Sun, X. (2015). Increased Risk of Cancer in relation to Gout: A Review of Three Prospective Cohort Studies with 50,358 Subjects. *Mediators of inflammation*, 2015, 680853. <https://doi.org/10.1155/2015/680853>
- WCRF (World Cancer Research Fund) (2007). World Cancer Research Fund/American Institute for Cancer Research. Food, Nutrition, Physical Activity, and the Prevention of Cancer: a Global Perspective. Washington DC: AICR.
- Weinstein, S. J., Wright, M. E., Pietinen, P., King, I., Tan, C., Taylor, P. R., Virtamo, J., & Albanes, D. (2005). Serum alpha-tocopherol and gamma-tocopherol in relation to prostate cancer risk in a prospective study. *Journal of the National Cancer Institute*, 97(5), 396–399. <https://doi.org/10.1093/jnci/dji045>
- Willcox, B. J., Willcox, D. C., Todoriki, H., Fujiyoshi, A., Yano, K., He, Q., Curb, J. D., & Suzuki, M. (2007). Caloric restriction, the traditional Okinawan diet, and healthy aging: the diet of the world's longest-lived people and its potential impact on morbidity and life span. *Annals of the New York Academy of Sciences*, 1114, 434–455. <https://doi.org/10.1196/annals.1396.037>
- Willcox, D. C., Willcox, B. J., Wang, N. C., He, Q., Rosenbaum, M., & Suzuki, M. (2008). Life at the extreme limit: phenotypic characteristics of supercentenarians in Okinawa. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 63(11), 1201–1208. <https://doi.org/10.1093/gerona/63.11.1201>
- Wilson, K. M., Kasperzyk, J. L., Rider, J. R., Kenfield, S., van Dam, R. M., Stampfer, M. J., Giovannucci, E., & Mucci, L. A. (2011). Coffee consumption and prostate cancer risk and progression in the Health Professionals Follow-up Study. *Journal of the National Cancer Institute*, 103(11), 876–884. <https://doi.org/10.1093/jnci/djr151>
- Wilt, T., Ishani, A., MacDonald, R., Stark, G., Mulrow, C., & Lau, J. (2000). Beta-sitosterols for benign prostatic hyperplasia. *The Cochrane database of systematic reviews*, 1999(2), CD001043. <https://doi.org/10.1002/14651858.CD001043>
- Wright, J. L., & Stanford, J. L. (2009). Metformin use and prostate cancer in Caucasian men: results from a population-based case-control study. *Cancer causes & control : CCC*, 20(9), 1617–1622. <https://doi.org/10.1007/s10552-009-9407-y>
- Wright, M. E., Weinstein, S. J., Lawson, K. A., Albanes, D., Subar, A. F., Dixon, L. B., Mouw, T., Schatzkin, A., & Leitzmann, M. F. (2007). Supplemental and dietary vitamin E intakes and risk of prostate cancer in a large prospective study. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 16(6), 1128–1135. <https://doi.org/10.1158/1055-9965.EPI-06-1071>
- Wu, W., Li, R., Li, X., He, J., Jiang, S., Liu, S., & Yang, J. (2015). Quercetin as an Antiviral Agent Inhibits Influenza A Virus (IAV) Entry. *Viruses*, 8(1), 6. <https://doi.org/10.3390/v8010006>
- Xie Z., Chen Z., Sun W., Guo X., Yin B., Wang J. (2008). Distribution of aluminum and fluoride in tea plant and soil of tea garden in Central and Southwest China. *Chin. Geogr. Sci.* 17: 376-382.
- Xing, N., Chen, Y., Mitchell, S. H., & Young, C. Y. (2001). Quercetin inhibits the expression and function of the androgen receptor in LNCaP prostate cancer cells. *Carcinogenesis*, 22(3), 409–414. <https://doi.org/10.1093/carcin/22.3.409>
- Yang, C. Y., Chiu, H. F., Tsai, S. S., Cheng, M. F., Lin, M. C., & Sung, F. C. (2000). Calcium and magnesium in drinking water and risk of death from prostate cancer. *Journal of toxicology and environmental health. Part A*, 60(1), 17–26. <https://doi.org/10.1080/009841000156565>
- Yang F., Song L., Wang H., Wang J., Xu Z., Xing N. (2015). Quercetin in prostate cancer: Chemotherapeutic and chemopreventive effects, mechanisms and clinical application potential (Review). *Oncol Rep.* 2015;33(6):2659-2668. doi:10.3892/or.2015.3886
- Young H. H. (1934). Prostatic calculi. *J Urol.*32:660–709.
- Yow, M. A., Tabrizi, S. N., Severi, G., Bolton, D. M., Pedersen, J., Australian Prostate Cancer BioResource, Giles, G. G., & Southey, M. C. (2017). Characterisation of microbial communities within aggressive prostate cancer tissues. *Infectious agents and cancer*, 12, 4. <https://doi.org/10.1186/s13027-016-0112-7>
- Yow, M. A., Tabrizi, S. N., Severi, G., Bolton, D. M., Pedersen, J., Longano, A., Garland, S. M., Southey, M. C., & Giles, G. G. (2014). Detection of infectious organisms in archival prostate cancer tissues. *BMC cancer*, 14, 579. <https://doi.org/10.1186/1471-2407-14-579>
- Yu, H. N., Yin, J. J., & Shen, S. R. (2004). Growth inhibition of prostate cancer cells by epigallocatechin gallate in the presence of Cu²⁺. *Journal of agricultural and food chemistry*, 52(3), 462–466. <https://doi.org/10.1021/jf035057u>
- Yucel, C., & Budak, S. (2018). Association between large prostate calculi and prostate cancer. *Archivio italiano di urologia, andrologia : organo ufficiale [di] Societa italiana di ecografia urologica e nefrologica*, 90(3), 181–183. <https://doi.org/10.4081/aiua.2018.3.181>
- Zagriadskii, E. A., Bogomazov, A. M., & Golovko, E. B. (2018). Conservative Treatment of Hemorrhoids: Results of an Observational Multicenter Study. *Advances in therapy*, 35(11), 1979–1992. <https://doi.org/10.1007/s12325-018-0794-x>
- Zhanel, G. G., Zhanel, M. A., & Karlowsky, J. A. (2018). Oral Fosfomycin for the Treatment of Acute and Chronic Bacterial Prostatitis Caused by Multidrug-Resistant *Escherichia coli*. *The Canadian journal of infectious diseases & medical microbiology = Journal canadien des maladies infectieuses et de la microbiologie medicale*, 2018, 1404813. <https://doi.org/10.1155/2018/1404813>
- Zhang, Y., & Tang, L. (2007). Discovery and development of sulforaphane as a cancer chemopreventive phytochemical. *Acta pharmacologica Sinica*, 28(9), 1343–1354. <https://doi.org/10.1111/j.1745-7254.2007.00679.x>
- Zhihua, 2019. Hair loss woes mount for young Chinese. ChinaDaily. URL: <https://www.chinadailyhk.com/articles/103/123/51/1556081458755.html> (Zugriff am 31.08.2022)
- Zhou, C. K., Levine, P. H., Cleary, S. D., Hoffman, H. J., Graubard, B. I., & Cook, M. B. (2016). Male Pattern Baldness in Relation to Prostate Cancer-Specific Mortality: A Prospective Analysis in the NHANES I Epidemiologic Follow-up Study. *American journal of epidemiology*, 183(3), 210–217. <https://doi.org/10.1093/aje/kwv190>
- Zhou, C. K., Pfeiffer, R. M., Cleary, S. D., Hoffman, H. J., Levine, P. H., Chu, L. W., Hsing, A. W., & Cook, M. B. (2015). Relationship between male pattern baldness and the risk of aggressive prostate cancer: an analysis of the Prostate, Lung, Colorectal, and Ovarian Cancer

Screening Trial. *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*, 33(5), 419–425.
<https://doi.org/10.1200/JCO.2014.55.4279>

Zhou, W., Kallifatidis, G., Baumann, B., Rausch, V., Mattern, J., Gladkich, J., Giese, N., Moldenhauer, G., Wirth, T., Büchler, M. W., Salnikov, A. V., & Herr, I. (2010). Dietary polyphenol quercetin targets pancreatic cancer stem cells. *International journal of oncology*, 37(3), 551–561. https://doi.org/10.3892/ijo_00000704