

DAFTAR PUSTAKA

- Ahmed, A. and Tait, S.W. (2020), Targeting immunogenic cell death in cancer. *Mol. Oncol.*, 14: 2994-3006. <https://doi.org/10.1002/1878-0261.12851>
- Aierken, N.; Shi, H.-J.; Zhou, Y.; Shao, N.; Zhang, J.; Shi, Y.; Yuan, Z.-Y.; Lin, Y. High *PD-L1* Expression Is Closely Associated With Tumor-Infiltrating Lymphocytes and Leads to Good Clinical Outcomes in Chinese Triple Negative Breast Cancer Patients. *Int. J. Biol. Sci.* 2017, 13, 1172–1179
- Alamsyah, *et al.* Antiproliferative Effect of Electric Fields on Breast Tumor Cells *In Vitro* and *In Vivo*. *Indonesian Journal of Cancer Chemoprevention*, 2015, 6(3): 71-77
- Alamsyah F, Pratiwi R, Firdausi N *et al.* Cytotoxic T cells response with decreased CD4/CD8 ratio during mammary tumors inhibition in rats induced by non-contact electric fields. *F1000Research* 2021, 10:35
- Anderson, *et al.* *HMGB1* Is a Therapeutic Target for Sterile Inflammation and Infection. *Annu Rev Immunol.* 2011 ; 29: 139–162 Wong, 2015. An Evidence-Based Review of Alternating Electric Fields Therapy for Malignant Gliomas. *Curr. Treat. Options in Oncol.* 16: 40
- Aoto K, Mimura K, Okayama H, Saito M, Chida S, Noda M, Nakajima T, Saito K, Abe N, Ohki S, Ohtake T, Takenoshita S, Kono K. Immunogenic tumor cell death induced by chemotherapy in patients with breast cancer and esophageal squamous cell carcinoma. *Oncol Rep.* 2018 Jan;39(1):151-159. doi: 10.3892/or.2017.6097. Epub 2017 Nov 14. PMID: 29138861; PMCID: PMC5783595.
- Apetoh L, Ghiringhelli F, Tesniere A, Criollo A, Ortiz C, Lidereau R, Mariette C, Chaput N, Mira JP, Delaloge S, *et al.* The interaction between *HMGB1* and TLR4 dictates the outcome of anticancer chemotherapy and radiotherapy. *Immunol Rev.* 2007;220:47–59. doi: 10.1111/j.1600-065X.2007.00573.x
- Aslam, M.S., Naveed, S., Ahmed, A., *et al.*, 2014. Side Effects Of Chemotherapy In Cancer Patients And Evaluation Of Patients Opinion About Starvation Based Differential Chemotherapy. *Journal of Cancer Therapy*, 5(8), p.817
- Bae, S.B.; Cho, H.D.; Oh, M.-H.; Lee, J.-H.; Jang, S.-H.; Hong, S.A.; Cho, J.; Kim, S.Y.; Han, S.W.; Lee, J.E.; *et al.* Expression of Programmed Death Receptor Ligand 1 with High Tumor-Infiltrating Lymphocytes Is Associated with Better Prognosis in Breast Cancer. *J. Breast Cancer* 2016, 19, 242–251
- Bagnall J, Boddington C, England H, Brignall R, Downton P, Alsoufi Z. *et al.* Quantitative analysis of competitive cytokine signaling predicts tissue thresholds for the propagation of macrophage activation. *Science signaling.* 2018 11
- Berger TR, Wong ET. Tumor treating fields in neuro-oncology: integration of alternating electric fields therapy into promising treatment strategies. *Chin Clin Oncol* 2021;10(4):36

- Berzingi, S., Newman, M. & Yu, HG. Altering bioelectricity on inhibition of human breast cancer cells. *Cancer Cell Int* **16**, 72 (2016).
<https://doi.org/10.1186/s12935-016-0348-8>
- Dong H, Zhang L, Liu S. Targeting *HMGB1*: An available Therapeutic Strategy for Breast Cancer Therapy. *Int J Biol Sci*. 2022 May 9;18(8):3421-3434. doi: 10.7150/ijbs.73504. PMID: 35637945; PMCID: PMC9134916.
- Fadhlurrahman, Achmad Ghitha, 2018, Pengaruh Medan Listrik Statis terhadap Aktivitas Alanine Transaminase, Kadar Bilirubin dan Kreatinin Tikus (*Rattus norvegicus* Berkenhout, 1769) dengan Induksi 7,12-Dimethylbenz[α]anthracene, Skripsi. Program Sarjana Biologi Universitas Gadjah Mada. Yogyakarta.
- Garcia-Diaz, Angel *et al.* (2017). *Interferon Receptor Signaling Pathways Regulating PD-L1 and PD-L2 Expression*. *Cell Reports*, 19(6), 1189–1201. doi:10.1016/j.celrep.2017.04.031
- Hubert P, Roncarati P, Demoulin S, Pilard C, Ancion M, Reynders C, Extracellular *HMGB1* blockade inhibits tumor growth through profoundly remodeling immune microenvironment and enhances checkpoint inhibitor-based
- Hao, Q., Vadgama, J.V. & Wang, P. *CCL2/CCR2* signaling in cancer pathogenesis. *Cell Commun Signal* 18, 82 (2020).
<https://doi.org/10.1186/s12964-020-00589-8>
- Ibrahim, E.M.; Al-Foheidi, M.E.; Al-Mansour, M.M.; Kazkaz, G.A. The prognostic value of tumor-infiltrating lymphocytes in triple-negative breast cancer: A meta analysis. *Breast Cancer Res. Treat.* 2014, 148, 467–476.
- Kang, *et al.* *HMGB1* in cancer good, bad, or both?. *Clin Cancer Res* August 1 2013 (19) (15) 4046-4057; DOI: 10.1158/1078-0432.CCR-13-0495
- Karanam *et al.*, (2020) tumor treating fields cause replication stress and interfere with DNA replication fork maintenance: implications for cancer therapy. *Translational Research* (2020) : 217(33-46)
- Karuppagounder V, Giridharan VV, Arumugam S, Sreedhar R, Palaniyandi SS, Krishnamurthy P. *et al.* Modulation of macrophage polarization and *HMGB1*-tlr2/tlr4 cascade plays a crucial role for cardiac remodeling in senescence-accelerated prone mice. *PloS one*. 2016;11:e0152922
- Kim *et al.* 2016. Tumor treating fields inhibit glioblastoma cell migration, invasion and angiogenesis. *Impact Journal*. 2016. **Oncotarget**, Vol. 7, No. 40
- Kirson, Eilon D. Disruption of Cancer Cell Replication by Alternating Electric Fields. *Cancer Res* May 1 2004 (64) (9) 3288-3295; DOI: 10.1158/0008-5472.CAN-04-0083
- Kirson ED, 2015: Alternating electric fields arrest cell proliferation in animal tumor models and human brain tumors. *Proc Natl AcadSci USA*. 104(24):10152–7
- Krysko, D., Garg, A., Kaczmarek, A. *et al.* Immunogenic cell death and DAMPs in cancer therapy. *Nat Rev Cancer* **12**, 860–875 (2012).
<https://doi.org/10.1038/nrc3380>
- Kythreotou A, Siddique A, Mauri FA, *et al.* *PD-L1*. *J Clin Pathol* 2018;71:189-194.

- S Muenst, AR Schaerli, 2014. Expression of programmed death ligand 1 (*PD-L1*) with poor prognosis in human breast cancer. *Breast Cancer Res Treat.* 144:15-24.
- Lin, *et al.*. Studies on effect of static electric field exposure on liver mice. *Scientific Report. Nature* (2018) 8:15507
- Lotfinejad P, Asghari Jafarabadi M, Abdoli Shadbad M, Kazemi T, Pashazadeh F, Sandoghchian Shotorbani S, Jadidi Niaragh F, Baghbanzadeh A, Vahed N, Silvestris N, Baradaran B. Prognostic Role and Clinical Significance of Tumor-Infiltrating Lymphocyte (TIL) and Programmed Death Ligand 1 (*PD-L1*) Expression in Triple-Negative Breast Cancer (TNBC): A Systematic Review and Meta-Analysis Study. *Diagnostics.* 2020; 10(9):704. <https://doi.org/10.3390/diagnostics10090704>
- Mujib, *et al.*. Cell Death and Induced *p53* Expression in Oral Cancer, HeLa, and Bone Marrow Mesenchyme Cells under the Exposure to Noncontact Electric Fields. *Integrative Medicine International* (2017) 4:161–170
- Narasimha Kumar Karanam & Michael D. Story (2020): An overview of potential novel mechanisms of action underlying Tumor Treating Fields-induced cancer cell death and their clinical implications, *International Journal of Radiation Biology*
- Ostrand-Rosenberg S, Horn LA, Haile ST. The programmed death-1 immune-suppressive pathway: barrier to antitumor immunity. *J Immunol.* 2014 Oct 15;193(8):3835-41. doi:10.4049/jimmunol.1401572. PMID: 25281753; PMCID: PMC4185425
- Oweida, *et al.* Ionizing radiation sensitizes tumors to *PD-L1* immune checkpoint blockade in orthotopic murine head and neck squamous cell carcinoma, *OncoImmunology.* 2017, 6:10
- Pratiwi R, Antara NY, Fadliansyah LG *et al.* CCL2 and IL18 expressions may associate with the anti-proliferative effect of noncontact electro capacitive cancer therapy in vivo. *F1000Research* 2020, 8:1770 (<https://doi.org/10.12688/f1000research.20727.2>)
- Preece AW, Wesnes KA, Iwi GR. The effect of a 50 Hz magnetic field on cognitive function in humans. *Int J Radiat Biol* 74:463–470; 1998.
- Qiu, X., Mei, J., Yin, J., Wang, H., Wang, J., & Xie, M. (2017). Correlation analysis between expression of PCNA, Ki-67 and COX-2 and X-ray features in mammography in breast cancer. *Oncology Letters*, 14, 2912-2918. <https://doi.org/10.3892/ol.2017.6516>
- Roh JS, Sohn DH. Damage-Associated Molecular Patterns in Inflammatory Diseases. *Immune Netw.* 2018 Aug 13;18(4):e27. doi: 10.4110/in.2018.18.e27. PMID: 30181915; PMCID: PMC6117512.
- Saunders, *et al.*, Weak electric Field Interaction in the Central Nervous System. *Health Physics* (2002) 83 (3):366-375

- Schalper *et al.* In Situ Tumor *PD-L1* mRNA Expression Is Associated with Increased TILs and Better Outcome in Breast Carcinomas. *Clin Cancer Res* May 15 2014 (20) (10) 2773-2782; DOI: 10.1158/1078-0432.CCR-13-2702
- Sharma *et al.*, An efficient method for extracting next-generation sequencing quality RNA from liver tissue of recalcitrant animal species. *Journal of Cell Physiology*. 2019;234:14405-14412
- Shi SJ, Wang LJ, Wang GD, *et al.* B7-H1 expression is associated with poor prognosis in colorectal carcinoma and regulates the proliferation and invasion of HCT116 colorectal cancer cells. *PLoS One*. 2013;8(10):e76012.
- Stros M, Kučirek M, Sani SA, Polanská E. *HMGB1*-mediated DNA bending: Distinct roles in increasing *p53* binding to DNA and the transactivation of *p53*-responsive gene promoters. *Biochimica et biophysica acta Gene regulatory mechanisms*. 2018;1861:200–10
- Supardi, Retno Wahidah. Level Ekspresi Gen *Il2r*, Interferon γ Dan Tgf-B Pada Jaringan Tumor Payudara Tikus (*Rattus Norvegicus* Berkenhout, 1769) Dengan Perlakuan Paparan Medan Listrik Statis Frekuensi Menengah Dan Intensitas Rendah. 2021. Skripsi. Fakultas Biologi UGM
- Taki FA, Abdel-Rahman AA, Zhang B: A comprehensive approach to identify reliable reference gene candidates to investigate the link between alcoholism and endocrinology in Sprague-Dawley rats. *PLoS One*. 2014;9(5):e94311. 10.1371/journal.pone.0094311
- Takaki, *et al.*, Hepatic Artery Embolization Enhances Expression of Programmed Cell Death 1 Ligand 1 in an Orthotopic Rat Hepatocellular Carcinoma Model: In Vivo and in Vitro Experimentation, Volume 31, Issue 9, September 2020, Pages 1475-1482.e2
<https://doi.org/10.1016/j.jvir.2020.03.023>
- Triant *et al.*, Simultaneous Extraction of High-Quality RNA and DNA from Small Tissue Samples. *Journal of Heredity*, vol. 100(2) 2009 (246-250)
- Voloshin T, Kaynan N, *et al.* Tumor-treating fields (*TTFields*) induce immunogenic cell death resulting in enhanced antitumor efficacy when combined with anti-PD-1 therapy. *Cancer Immunology, Immunotherapy* (2020) 69:1191–1204
- Voloshin, *et al.*. Immunomodulatory effects of tumor treating fields (*TTFields*) on colon cancer models. *Journal of clinical oncology*, 2020, 38 (4): 136-136
- Wang, *et al.*. Expression of *HMGB1* protein in Breast Cancer and Its Clinicopathological Significance. *Chinese Journal of Pathology* (2020) 49(1):57-61
- Wang X, Teng F, Kong L, Yu J. *PD-L1* expression in human cancers and its association with clinical outcomes. *Onco Targets Ther*. 2016 Aug 12;9:5023-39. doi: 10.2147/OTT.S105862. PMID: 27574444; PMCID: PMC4990391.
- Wong, *et al.*. Alternating Electric Field Therapy for Malignant Gliomas : From Bench Observation to Clinical Reality. *Basel, Karger* (2018) 32:180-195

- Xia Liu, *et al.*, Anti-Inflammatory Effects of Shenfu Injection against Acute Lung Injury through Inhibiting *HMGB1*-NF- κ B Pathway in a Rat Model of Endotoxin Shock, Evidence-Based Complementary and Alternative Medicine, vol. 2019, Article ID 9857683, 2019.
<https://doi.org/10.1155/2019/9857683>
- Yan *et al.*, Oxidative stress-mediated *HMGB1* biology. *Frontiers in Physiology*. 2015: 6 (93) DOI 10.3389/fphys.2015.00093
- Yang M, Brackenbury WJ: Potensial membran and cancer progression. *Front Physiol.* 2013;4:185. 10.3389/fphys.2013.00185
- Zhu L, Hu S, Chen Q, Zhang H, Fu J, Zhou Y. *et al.* Macrophage contributes to radiation-induced anti-tumor abscopal effect on transplanted breast cancer by *HMGB1*/TNF- α signaling factors. *International journal of biological sciences*. 2021;17:926–41.