

Hans-Robert Metelmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4862151/publications.pdf>

Version: 2024-02-01

23
papers

1,553
citations

394421

19
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

1041
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductivity augments ROS and RNS delivery and tumor toxicity of an argon plasma jet. <i>Free Radical Biology and Medicine</i> , 2022, 180, 210-219.	2.9	34
2	Perspectives on cold atmospheric plasma (CAP) applications in medicine. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	94
3	Plasma medical oncology: Immunological interpretation of head and neck squamous cell carcinoma. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900258.	3.0	19
4	Molecular Mechanisms of the Efficacy of Cold Atmospheric Pressure Plasma (CAP) in Cancer Treatment. <i>Cancers</i> , 2020, 12, 269.	3.7	131
5	Medical Gas Plasma Treatment in Head and Neck Cancer – Challenges and Opportunities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1944.	2.5	11
6	Long-Term Risk Assessment for Medical Application of Cold Atmospheric Pressure Plasma. <i>Diagnostics</i> , 2020, 10, 210.	2.6	35
7	Physical plasma-treated saline promotes an immunogenic phenotype in CT26 colon cancer cells in vitro and in vivo. <i>Scientific Reports</i> , 2019, 9, 634.	3.3	107
8	Cold Argon Plasma as Adjuvant Tumour Therapy on Progressive Head and Neck Cancer: A Preclinical Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2061.	2.5	29
9	Activation of Murine Immune Cells upon Co-culture with Plasma-treated B16F10 Melanoma Cells. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 660.	2.5	30
10	High throughput image cytometry micronucleus assay to investigate the presence or absence of mutagenic effects of cold physical plasma. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 268-277.	2.2	55
11	Treating cancer with cold physical plasma: On the way to evidence-based medicine. <i>Contributions To Plasma Physics</i> , 2018, 58, 415-419.	1.1	49
12	Clinical experience with cold plasma in the treatment of locally advanced head and neck cancer. <i>Clinical Plasma Medicine</i> , 2018, 9, 6-13.	3.2	236
13	Potentiating anti-tumor immunity with physical plasma. <i>Clinical Plasma Medicine</i> , 2018, 12, 17-22.	3.2	42
14	Hyperspectral imaging: innovative diagnostics to visualize hemodynamic effects of cold plasma in wound therapy. <i>Biomedizinische Technik</i> , 2018, 63, 603-608.	0.8	27
15	State of the art in medical applications using non-thermal atmospheric pressure plasma. <i>Reviews of Modern Plasma Physics</i> , 2017, 1, 1.	4.1	90
16	Triterpenes for Well-Balanced Scar Formation in Superficial Wounds. <i>Molecules</i> , 2016, 21, 1129.	3.8	9
17	Visible tumor surface response to physical plasma and apoptotic cell kill in head and neck cancer. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 1445-1452.	1.7	103
18	Cold physical plasma selects for specific T helper cell subsets with distinct cells surface markers in a caspase-dependent and NF- κ B-independent manner. <i>Plasma Processes and Polymers</i> , 2016, 13, 1144-1150.	3.0	33

#	ARTICLE	IF	CITATIONS
19	Head and neck cancer treatment and physical plasma. <i>Clinical Plasma Medicine</i> , 2015, 3, 17-23.	3.2	173
20	Atmospheric Pressure Plasma Jet Application on Human Oral Mucosa Modulates Tissue Regeneration. <i>Plasma Medicine</i> , 2014, 4, 117-129.	0.6	28
21	Clinical plasma medicineâ€™ position and perspectives in 2012. <i>Clinical Plasma Medicine</i> , 2013, 1, 3-4.	3.2	13
22	Scar formation of laser skin lesions after cold atmospheric pressure plasma (CAP) treatment: A clinical long term observation. <i>Clinical Plasma Medicine</i> , 2013, 1, 30-35.	3.2	117
23	Experimental Recovery of CO ₂ -Laser Skin Lesions by Plasma Stimulation. <i>The American Journal of Cosmetic Surgery</i> , 2012, 29, 52-56.	0.3	85