

# 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	Clinical experience with cold plasma in the treatment of locally advanced head and neck cancer. Clinical Plasma Medicine, 2018, 9, 6-13.	3.2	236
2	Head and neck cancer treatment and physical plasma. Clinical Plasma Medicine, 2015, 3, 17-23.	3.2	173
3	Molecular Mechanisms of the Efficacy of Cold Atmospheric Pressure Plasma (CAP) in Cancer Treatment. Cancers, 2020, 12, 269.	3.7	131
4	Scar formation of laser skin lesions after cold atmospheric pressure plasma (CAP) treatment: A clinical long term observation. Clinical Plasma Medicine, 2013, 1, 30-35.	3.2	117
5	Physical plasma-treated saline promotes an immunogenic phenotype in CT26 colon cancer cells in vitro and in vivo. Scientific Reports, 2019, 9, 634.	3.3	107
6	Visible tumor surface response to physical plasma and apoptotic cell kill in head and neck cancer. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1445-1452.	1.7	103
7	Perspectives on cold atmospheric plasma (CAP) applications in medicine. Physics of Plasmas, 2020, 27, .	1.9	94
8	State of the art in medical applications using non-thermal atmospheric pressure plasma. Reviews of Modern Plasma Physics, 2017, 1, 1.	4.1	90
9	Experimental Recovery of CO <sub>2</sub> -Laser Skin Lesions by Plasma Stimulation. The American Journal of Cosmetic Surgery, 2012, 29, 52-56.	0.3	85
10	High throughput image cytometry micronucleus assay to investigate the presence or absence of mutagenic effects of cold physical plasma. Environmental and Molecular Mutagenesis, 2018, 59, 268-277.	2.2	55
11	Treating cancer with cold physical plasma: On the way to evidence-based medicine. Contributions To Plasma Physics, 2018, 58, 415-419.	1.1	49
12	Potentiating anti-tumor immunity with physical plasma. Clinical Plasma Medicine, 2018, 12, 17-22.	3.2	42
13	Long-Term Risk Assessment for Medical Application of Cold Atmospheric Pressure Plasma. Diagnostics, 2020, 10, 210.	2.6	35
14	Conductivity augments ROS and RNS delivery and tumor toxicity of an argon plasma jet. Free Radical Biology and Medicine, 2022, 180, 210-219.	2.9	34
15	Cold physical plasma selects for specific T helper cell subsets with distinct cells surface markers in a caspase-dependent and NF- $\kappa$ B-independent manner. Plasma Processes and Polymers, 2016, 13, 1144-1150.	3.0	33
16	Activation of Murine Immune Cells upon Co-culture with Plasma-treated B16F10 Melanoma Cells. Applied Sciences (Switzerland), 2019, 9, 660.	2.5	30
17	Cold Argon Plasma as Adjuvant Tumour Therapy on Progressive Head and Neck Cancer: A Preclinical Study. Applied Sciences (Switzerland), 2019, 9, 2061.	2.5	29
18	Atmospheric Pressure Plasma Jet Application on Human Oral Mucosa Modulates Tissue Regeneration. Plasma Medicine, 2014, 4, 117-129.	0.6	28

#	ARTICLE	IF	CITATIONS
19	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
20	Plasma medical oncology: Immunological interpretation of head and neck squamous cell carcinoma. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900258.	3.0	19
21	Clinical plasma medicineâ€™ position and perspectives in 2012. <i>Clinical Plasma Medicine</i> , 2013, 1, 3-4.	3.2	13
22	Medical Gas Plasma Treatment in Head and Neck Cancerâ€™ Challenges and Opportunities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1944.	2.5	11
23	Triterpenes for Well-Balanced Scar Formation in Superficial Wounds. <i>Molecules</i> , 2016, 21, 1129.	3.8	9