

Kai Masur

List of Publications by Year in descending order

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18
papers

1,511
citations

623734

14
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1423
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	From RONS to ROS: Tailoring Plasma Jet Treatment of Skin Cells. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 2986-2993.	1.3	228
3	Biological and medical applications of plasma-activated media, water and solutions. <i>Biological Chemistry</i> , 2018, 400, 39-62.	2.5	227
4	Identification of the biologically active liquid chemistry induced by a nonthermal atmospheric pressure plasma jet. <i>Biointerphases</i> , 2015, 10, 029518.	1.6	226
5	Non-thermal Plasma Activates Human Keratinocytes by Stimulation of Antioxidant and Phase II Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 6731-6750.	3.4	116
6	Impact of non-thermal plasma treatment on MAPK signaling pathways of human immune cell lines. <i>Immunobiology</i> , 2013, 218, 1248-1255.	1.9	90
7	Atmospheric pressure plasma jet treatment evokes transient oxidative stress in HaCaT keratinocytes and influences cell physiology. <i>Cell Biology International</i> , 2014, 38, 412-425.	3.0	78
8	The role of UV photolysis and molecular transport in the generation of reactive species in a tissue model with a cold atmospheric pressure plasma jet. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	69
9	The Influence of Feed Gas Humidity Versus Ambient Humidity on Atmospheric Pressure Plasma Jet-Effluent Chemistry and Skin Cell Viability. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 3185-3192.	1.3	67
10	Redox Stimulation of Human THP-1 Monocytes in Response to Cold Physical Plasma. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	4.0	57
11	The HIPPO Transducer YAP and Its Targets CTGF and Cyr61 Drive a Paracrine Signalling in Cold Atmospheric Plasma-Mediated Wound Healing. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	4.0	40
12	Synergistic Inhibition of Tumor Cell Proliferation by Cold Plasma and Gemcitabine. <i>Plasma Processes and Polymers</i> , 2015, 12, 1377-1382.	3.0	23
13	Effects of humidity on room disinfection by dielectric barrier discharge plasma. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 425204.	2.8	18
14	Proteomic Tools to Characterize Non-Thermal Plasma Effects in Eukaryotic Cells. <i>Plasma Medicine</i> , 2013, 3, 81-95.	0.6	16
15	Environmental Control of an Argon Plasma Effluent and Its Role in THP-1 Monocyte Function. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 3336-3341.	1.3	10
16	Periodic Exposure of Plasma-Activated Medium Alters Fibroblast Cellular Homeostasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3120.	4.1	4
17	UV Absorption Spectroscopy for the Diffusion of Plasma-Generated Reactive Species through a Skin Model. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7958.	2.5	3
18	Influence of Redox Stress on Crosstalk between Fibroblasts and Keratinocytes. <i>Biology</i> , 2021, 10, 1338.	2.8	3