

# Thomas von Woedtke

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

193  
papers

8,931  
citations

52  
h-index

88  
g-index

215  
ext. papers

10,516  
ext. citations

3.7  
avg. IF

6.55  
L-index

#	Paper	IF	Citations
193	Efficiency of cold atmospheric plasma, cleaning powders and their combination for biofilm removal on two different titanium implant surfaces.. <i>Clinical Oral Investigations</i> , <b>2022</b> , 26, 3179	4.2	2
192	Conductivity augments ROS and RNS delivery and tumor toxicity of an argon plasma jet.. <i>Free Radical Biology and Medicine</i> , <b>2022</b> ,	7.8	4
191	From Leap Innovation to Integrated Medical Care <b>2022</b> , 3-33		
190	What Are the Requirements of a Cold Plasma Medicine Clinic <b>2022</b> , 413-421		
189	Cold Plasma Treatment for an Artificial Fistula at Risk <b>2022</b> , 213-228		
188	Who Belongs to a Good Cold Plasma Practice Team? <b>2022</b> , 391-397		
187	How Does Cold Plasma Work in Medicine? <b>2022</b> , 63-86		0
186	Cold Plasma Palliative Treatment of Cancer <b>2022</b> , 187-197		
185	Landmarks to Differentiate Between Reliable and Questionable Devices for Application in Plasma Medicine <b>2022</b> , 87-98		
184	Insight into the Impact of Oxidative Stress on the Barrier Properties of Lipid Bilayer Models. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5932	6.3	
183	Aesthetic Plasma Medicine <b>2022</b> , 361-366		
182	The amino acid metabolism is essential for evading physical plasma-induced tumour cell death. <i>British Journal of Cancer</i> , <b>2021</b> , 124, 1854-1863	8.7	5
181	Argon Plasma Exposure Augments Costimulatory Ligands and Cytokine Release in Human Monocyte-Derived Dendritic Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
180	Tumor cell metabolism correlates with resistance to gas plasma treatment: The evaluation of three dogmas. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 167, 12-28	7.8	13
179	Reactive species driven oxidative modifications of peptides—tracing physical plasma liquid chemistry. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 193305	2.5	7
178	Hyperspectral Imaging of Wounds Reveals Augmented Tissue Oxygenation Following Cold Physical Plasma Treatment in Vivo. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 5, 412-419	4.2	9
177	Gas plasma-spurred wound healing is accompanied by regulation of focal adhesion, matrix remodeling, and tissue oxygenation. <i>Redox Biology</i> , <b>2021</b> , 38, 101809	11.3	15

176	Development of an electrochemical sensor for in-situ monitoring of reactive species produced by cold physical plasma. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 326, 129007	8.5	8
175	The Plasma-Induced Leukemia Cell Death is Dictated by the ROS Chemistry and the HO-1/CXCL8 Axis. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 5, 398-411	4.2	3
174	Tumor cytotoxicity and immunogenicity of a novel V-jet neon plasma source compared to the kINPen. <i>Scientific Reports</i> , <b>2021</b> , 11, 136	4.9	9
173	Large volume spark discharge and plasma jet-technology for generating plasma-oxidized saline targeting colon cancer in vitro and in vivo. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 053301	2.5	3
172	Singlet-Oxygen-Induced Phospholipase A Inhibition: A Major Role for Interfacial Tryptophan Dioxidation. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14702-14710	4.8	3
171	Medical gas plasma-stimulated wound healing: Evidence and mechanisms. <i>Redox Biology</i> , <b>2021</b> , 46, 102116.3	6.3	15
170	Gas Plasma Technology-An Asset to Healthcare During Viral Pandemics Such as the COVID-19 Crisis?. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2020</b> , 4, 391-399	4.2	18
169	Combination of Gas Plasma and Radiotherapy Has Immunostimulatory Potential and Additive Toxicity in Murine Melanoma Cells in Vitro. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	17
168	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> , <b>2020</b> , 2020, 4910280	6.7	19
167	Molecular Mechanisms of the Efficacy of Cold Atmospheric Pressure Plasma (CAP) in Cancer Treatment. <i>Cancers</i> , <b>2020</b> , 12,	6.6	71
166	Ex Vivo Exposure of Human Melanoma Tissue to Cold Physical Plasma Elicits Apoptosis and Modulates Inflammation. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1971	2.6	11
165	On a heavy path - determining cold plasma-derived short-lived species chemistry using isotopic labelling.. <i>RSC Advances</i> , <b>2020</b> , 10, 11598-11607	3.7	13
164	Long-term Risk Assessment for Medical Application of Cold Atmospheric Pressure Plasma. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	19
163	Immunotherapy and Immunosurveillance of Oral Cancers: Perspectives of Plasma Medicine and Mistletoe <b>2020</b> , 355-362		0
162	xCT (SLC7A11) expression confers intrinsic resistance to physical plasma treatment in tumor cells. <i>Redox Biology</i> , <b>2020</b> , 30, 101423	11.3	30
161	Risk Evaluation of EMT and Inflammation in Metastatic Pancreatic Cancer Cells Following Plasma Treatment. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	3
160	Concept for Improved Handling Ensures Effective Contactless Plasma Treatment of Patients with kINPen MED. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6133	2.6	2
159	The molecular and physiological consequences of cold plasma treatment in murine skin and its barrier function. <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 161, 32-49	7.8	11

158	Perspectives on cold atmospheric plasma (CAP) applications in medicine. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 070601	2.1	41
157	Nonenzymatic post-translational modifications in peptides by cold plasma-derived reactive oxygen and nitrogen species. <i>Biointerphases</i> , <b>2020</b> , 15, 061008	1.8	9
156	Plasma Treatment Limits Cutaneous Squamous Cell Carcinoma Development In Vitro and In Vivo. <i>Cancers</i> , <b>2020</b> , 12,	6.6	11
155	Effects of cold atmospheric pressure plasma and disinfecting agents on <i>Candida albicans</i> in root canals of extracted human teeth. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e202000221	3.1	5
154	Plasma Treatment Limits Human Melanoma Spheroid Growth and Metastasis Independent of the Ambient Gas Composition. <i>Cancers</i> , <b>2020</b> , 12,	6.6	10
153	On the Liquid Chemistry of the Reactive Nitrogen Species Peroxynitrite and Nitrogen Dioxide Generated by Physical Plasmas. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	8
152	Oxidative modification of skin lipids by cold atmospheric plasma (CAP): A standardizable approach using RP-LC/MS and DI-ESI/MS. <i>Chemistry and Physics of Lipids</i> , <b>2020</b> , 226, 104786	3.7	13
151	Combination Treatment with Cold Physical Plasma and Pulsed Electric Fields Augments ROS Production and Cytotoxicity in Lymphoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	20
150	Multimodal Nonlinear Microscopy for Therapy Monitoring of Cold Atmospheric Plasma Treatment. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	5
149	Risk Assessment of kINPen Plasma Treatment of Four Human Pancreatic Cancer Cell Lines with Respect to Metastasis. <i>Cancers</i> , <b>2019</b> , 11,	6.6	25
148	Elevated H2AX Phosphorylation Observed with kINPen Plasma Treatment Is Not Caused by ROS-Mediated DNA Damage but Is the Consequence of Apoptosis. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 8535163	6.7	34
147	Cold Argon Plasma as Adjuvant Tumour Therapy on Progressive Head and Neck Cancer: A Preclinical Study. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2061	2.6	18
146	Plasma-Activation of Larger Liquid Volumes by an Inductively-Limited Discharge for Antimicrobial Purposes. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2150	2.6	20
145	Fibroblast Growth on Zirconia Ceramic and Titanium Disks After Application with Cold Atmospheric Pressure Plasma Devices or with Antiseptics. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2019</b> , 34, 809-818	2.8	4
144	Improved Wound Healing of Airway Epithelial Cells Is Mediated by Cold Atmospheric Plasma: A Time Course-Related Proteome Analysis. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 7071536	6.7	6
143	Nitrosylation vs. oxidation - How to modulate cold physical plasmas for biological applications. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216606	3.7	22
142	Side effects by oral application of atmospheric pressure plasma on the mucosa in mice. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215099	3.7	22
141	Nrf2 signaling and inflammation are key events in physical plasma-spurred wound healing. <i>Theranostics</i> , <b>2019</b> , 9, 1066-1084	12.1	52

140	Cold physical plasma-induced oxidation of cysteine yields reactive sulfur species (RSS). <i>Clinical Plasma Medicine</i> , <b>2019</b> , 14, 100083	2.8	17
139	Can the effect of cold physical plasma-derived oxidants be transported via thiol group oxidation?. <i>Clinical Plasma Medicine</i> , <b>2019</b> , 14, 100086	2.8	11
138	Fluorescence measurements of peroxynitrite/peroxynitrous acid in cold air plasma treated aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 8883-8896	3.6	27
137	White paper on plasma for medicine and hygiene: Future in plasma health sciences. <i>Plasma Processes and Polymers</i> , <b>2019</b> , 16, 1800033	3.4	85
136	Plasma Medicine: A Field of Applied Redox Biology. <i>In Vivo</i> , <b>2019</b> , 33, 1011-1026	2.3	107
135	Plasma-mediated inactivation of E. coli: Influence of protein on wet surface and in liquid medium. <i>Plasma Processes and Polymers</i> , <b>2019</b> , 16, 1800164	3.4	11
134	Combination of cold plasma and pulsed electric fields: A rationale for cancer patients in palliative care. <i>Clinical Plasma Medicine</i> , <b>2019</b> , 16, 100096	2.8	9
133	Cold Physical Plasma Modulates p53 and Mitogen-Activated Protein Kinase Signaling in Keratinocytes. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 7017363	6.7	34
132	Comparing two different plasma devices kINPen and Adtec SteriPlas regarding their molecular and cellular effects on wound healing. <i>Clinical Plasma Medicine</i> , <b>2018</b> , 9, 24-33	2.8	35
131	The feed gas composition determines the degree of physical plasma-induced platelet activation for blood coagulation. <i>Plasma Sources Science and Technology</i> , <b>2018</b> , 27, 034001	3.5	19
130	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> , <b>2018</b> , 59, 268-277	3.2	40
129	Introduction to Plasma Medicine <b>2018</b> , 3-21		5
128	Side effects in cold plasma treatment of advanced oral cancer: Clinical data and biological interpretation. <i>Clinical Plasma Medicine</i> , <b>2018</b> , 10, 9-15	2.8	29
127	Design optimization of an air atmospheric pressure plasma-jet device intended for medical use. <i>Plasma Processes and Polymers</i> , <b>2018</b> , 15, 1700211	3.4	14
126	Clinical experience with cold plasma in the treatment of locally advanced head and neck cancer. <i>Clinical Plasma Medicine</i> , <b>2018</b> , 9, 6-13	2.8	162
125	Plasma-treated medium tunes the inflammatory profile in murine bone marrow-derived macrophages. <i>Clinical Plasma Medicine</i> , <b>2018</b> , 11, 1-9	2.8	13
124	Biological and medical applications of plasma-activated media, water and solutions. <i>Biological Chemistry</i> , <b>2018</b> , 400, 39-62	4.5	136
123	DIN SPEC 91315: A First Attempt to Implement Mandatory Test Protocols for the Characterization of Plasma Medical Devices <b>2018</b> , 511-516		2

122	Cold Physical Plasma-Treated Buffered Saline Solution as Effective Agent Against Pancreatic Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 824-831	2.2	21
121	Stimulation of melanin synthesis in melanoma cells by cold plasma. <i>Biological Chemistry</i> , <b>2018</b> , 400, 101-109	1.9	2
120	Chemistry and biochemistry of cold physical plasma derived reactive species in liquids. <i>Biological Chemistry</i> , <b>2018</b> , 400, 19-38	4.5	52
119	Non-touching plasma-liquid interaction - where is aqueous nitric oxide generated?. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 25387-25398	3.6	32
118	Cell stimulation versus cell death induced by sequential treatments with pulsed electric fields and cold atmospheric pressure plasma. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204916	3.7	14
117	The kINPen review on physics and chemistry of the atmospheric pressure plasma jet and its applications. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 233001	3	205
116	Cold atmospheric plasma: a new tool for the treatment of superficial driveline infections. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 51, 186-187	3	25
115	Plasma generated RONS in cell culture medium for in vitro studies of eukaryotic cells on Tissue Engineering scaffolds. <i>Plasma Processes and Polymers</i> , <b>2017</b> , 14, 1700014	3.4	7
114	Osteoblast growth, after cleaning of biofilm-covered titanium discs with air-polishing and cold plasma. <i>Journal of Clinical Periodontology</i> , <b>2017</b> , 44, 672-680	7.7	18
113	Platelets are key in cold physical plasma-facilitated blood coagulation in mice. <i>Clinical Plasma Medicine</i> , <b>2017</b> , 7-8, 58-65	2.8	24
112	Non-thermal plasma-treated solution demonstrates antitumor activity against pancreatic cancer cells in vitro and in vivo. <i>Scientific Reports</i> , <b>2017</b> , 7, 8319	4.9	84
111	Oxygen atoms are critical in rendering THP-1 leukaemia cells susceptible to cold physical plasma-induced apoptosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 2791	4.9	86
110	Plasma medicine current state of research and medical application. <i>Plasma Physics and Controlled Fusion</i> , <b>2017</b> , 59, 014031	2	261
109	Removal of naturally grown human biofilm with an atmospheric pressure plasma jet: An in-vitro study. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 718-726	3.1	11
108	A cold plasma jet accelerates wound healing in a murine model of full-thickness skin wounds. <i>Experimental Dermatology</i> , <b>2017</b> , 26, 156-162	4	141
107	Effects of Non-Thermal Atmospheric Pressure Plasma and Sodium Hypochlorite Solution on Enterococcus faecalis Biofilm: An Investigation in Extracted Teeth. <i>Plasma Processes and Polymers</i> , <b>2017</b> , 14, 1600064	3.4	9
106	Distinct cytokine and chemokine patterns in chronic diabetic ulcers and acute wounds. <i>Experimental Dermatology</i> , <b>2017</b> , 26, 145-147	4	17
105	Environmental Control of an Argon Plasma Effluent and Its Role in THP-1 Monocyte Function. <i>IEEE Transactions on Plasma Science</i> , <b>2017</b> , 45, 3336-3341	1.3	9

104	One Year Follow-Up Risk Assessment in SKH-1 Mice and Wounds Treated with an Argon Plasma Jet. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	69
103	First insights on plasma orthodontics - Application of cold atmospheric pressure plasma to enhance the bond strength of orthodontic brackets. <i>Clinical Plasma Medicine</i> , <b>2016</b> , 4, 46-49	2.8	5
102	Visible tumor surface response to physical plasma and apoptotic cell kill in head and neck cancer. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2016</b> , 44, 1445-52	3.6	71
101	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. <i>Plasma Processes and Polymers</i> , <b>2016</b> , 13, 1144-1150	3.4	29
100	Grundlagen der Plasmamedizin. <i>Der MKG-Chirurg</i> , <b>2016</b> , 9, 246-254	0.2	2
99	Redox-regulation of activator protein 1 family members in blood cancer cell lines exposed to cold physical plasma-treated medium. <i>Plasma Processes and Polymers</i> , <b>2016</b> , 13, 1179-1188	3.4	41
98	Atmospheric plasma surface modifications of electrospun PCL/chitosan/PCL hybrid scaffolds by nozzle type plasma jets for usage of cell cultivation. <i>Applied Surface Science</i> , <b>2016</b> , 385, 400-409	6.7	43
97	Introduction to DIN-specification 91315 based on the characterization of the plasma jet kINPen $\square$ MED. <i>Clinical Plasma Medicine</i> , <b>2016</b> , 4, 35-45	2.8	64
96	The plasma jet kINPen $\square$ A powerful tool for wound healing. <i>Clinical Plasma Medicine</i> , <b>2016</b> , 4, 19-28	2.8	239
95	Risk assessment of a cold argon plasma jet in respect to its mutagenicity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2016</b> , 798-799, 48-54	3	105
94	Effects of Physical Plasma on Biotechnological Processes in Mycelia of the Cultivated Lingzhi or Reishi Medicinal Mushroom <i>Ganoderma lucidum</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , <b>2016</b> , 18, 521-531	1.3	2
93	Wissenschaftliche Grundlagen, Stand und Perspektiven der Plasmamedizin <b>2016</b> , 17-32		
92	Redox Stimulation of Human THP-1 Monocytes in Response to Cold Physical Plasma. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 5910695	6.7	49
91	Periodic Exposure of Keratinocytes to Cold Physical Plasma: An In Vitro Model for Redox-Related Diseases of the Skin. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 9816072	6.7	43
90	Characterization of Reactive Oxygen/Nitrogen Species Produced in PBS and DMEM by Air DBD Plasma Treatments. <i>Plasma Medicine</i> , <b>2016</b> , 6, 13-19	1.1	6
89	Induction of proliferation of basal epidermal keratinocytes by cold atmospheric-pressure plasma. <i>Clinical and Experimental Dermatology</i> , <b>2016</b> , 41, 202-9	1.8	71
88	Non-thermal plasma activates human keratinocytes by stimulation of antioxidant and phase II pathways. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 6731-50	5.4	100
87	Cold atmospheric plasma in combination with mechanical treatment improves osteoblast growth on biofilm covered titanium discs. <i>Biomaterials</i> , <b>2015</b> , 52, 327-34	15.6	69

86	Identification of the biologically active liquid chemistry induced by a nonthermal atmospheric pressure plasma jet. <i>Biointerphases</i> , <b>2015</b> , 10, 029518	1.8	184
85	In vitro treatment of <i>Candida albicans</i> biofilms on denture base material with volume dielectric barrier discharge plasma (VDBD) compared with common chemical antiseptics. <i>Clinical Oral Investigations</i> , <b>2015</b> , 19, 2319-26	4.2	20
84	Plasma jet's shielding gas impact on bacterial inactivation. <i>Biointerphases</i> , <b>2015</b> , 10, 029506	1.8	57
83	Immunotherapy and Immunosurveillance of Oral Cancers: Perspectives of Plasma Medicine and Mistletoe <b>2015</b> , 313-318		
82	Investigation of air-DBD effects on biological liquids for in vitro studies on eukaryotic cells. <i>Clinical Plasma Medicine</i> , <b>2015</b> , 3, 62-71	2.8	8
81	Research on plasma medicine-relevant plasma-liquid interaction: What happened in the past five years?. <i>Clinical Plasma Medicine</i> , <b>2015</b> , 3, 42-52	2.8	143
80	Analysis of antibacterial efficacy of plasma-treated sodium chloride solutions. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 454001	3	21
79	Impact of plasma jet vacuum ultraviolet radiation on reactive oxygen species generation in bio-relevant liquids. <i>Physics of Plasmas</i> , <b>2015</b> , 22, 122008	2.1	65
78	Synergistic Inhibition of Tumor Cell Proliferation by Cold Plasma and Gemcitabine. <i>Plasma Processes and Polymers</i> , <b>2015</b> , 12, 1377-1382	3.4	19
77	Proteomic Changes of Tissue-Tolerable Plasma Treated Airway Epithelial Cells and Their Relation to Wound Healing. <i>BioMed Research International</i> , <b>2015</b> , 2015, 506059	3	31
76	A Reference Technique to Compare the Antimicrobial Properties of Atmospheric Pressure Plasma Sources. <i>Plasma Medicine</i> , <b>2015</b> , 5, 27-47	1.1	8
75	Head and neck cancer treatment and physical plasma. <i>Clinical Plasma Medicine</i> , <b>2015</b> , 3, 17-23	2.8	136
74	Cell migration and adhesion of a human melanoma cell line is decreased by cold plasma treatment. <i>Clinical Plasma Medicine</i> , <b>2015</b> , 3, 24-31	2.8	49
73	Combination of pulsed electric fields and non-thermal plasma jet for more effective bacterial decontamination <b>2015</b> ,		1
72	Redox-Based Assay for Assessment of Biological Impact of Plasma Treatment. <i>Plasma Processes and Polymers</i> , <b>2014</b> , 11, 655-663	3.4	43
71	Synergistic antibacterial effects of treatments with low temperature plasma jet and pulsed electric fields. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 104103	3.4	41
70	Atmospheric pressure plasma jet treatment evokes transient oxidative stress in HaCaT keratinocytes and influences cell physiology. <i>Cell Biology International</i> , <b>2014</b> , 38, 412-25	4.5	63
69	Non-thermal atmospheric-pressure plasma possible application in wound healing. <i>Biomolecules and Therapeutics</i> , <b>2014</b> , 22, 477-90	4.2	248

68	Atmospheric Pressure Plasma Jet Application on Human Oral Mucosa Modulates Tissue Regeneration. <i>Plasma Medicine</i> , <b>2014</b> , 4, 117-129	1.1	24
67	Plasma-based Stimulation of Biotechnological Processes in <i>Ganoderma lucidum</i> Mycelia as Example for a Eukaryotic Organism. <i>Plasma Medicine</i> , <b>2014</b> , 4, 17-28	1.1	4
66	Kalte Plasmen in der Medizin. <i>Vakuum in Forschung Und Praxis</i> , <b>2014</b> , 26, 28-34	0.3	
65	In Vitro Susceptibility of Multidrug Resistant Skin and Wound Pathogens Against Low Temperature Atmospheric Pressure Plasma Jet (APPJ) and Dielectric Barrier Discharge Plasma (DBD). <i>Plasma Processes and Polymers</i> , <b>2014</b> , 11, 175-183	3.4	87
64	Plasma Applications: A Dermatological View. <i>Contributions To Plasma Physics</i> , <b>2014</b> , 54, 118-130	1.4	56
63	Clinical Plasma Medicine: State and Perspectives of in Vivo Application of Cold Atmospheric Plasma. <i>Contributions To Plasma Physics</i> , <b>2014</b> , 54, 104-117	1.4	177
62	Persistent effectivity of gas plasma-treated, long time-stored liquid on epithelial cell adhesion capacity and membrane morphology. <i>PLoS ONE</i> , <b>2014</b> , 9, e104559	3.7	32
61	Clinical plasma medicine position and perspectives in 2012. <i>Clinical Plasma Medicine</i> , <b>2013</b> , 1, 3-4	2.8	13
60	Scar formation of laser skin lesions after cold atmospheric pressure plasma (CAP) treatment: A clinical long term observation. <i>Clinical Plasma Medicine</i> , <b>2013</b> , 1, 30-35	2.8	96
59	Identification of the Molecular Basis of Non-thermal Plasma-Induced Changes in Human Keratinocytes. <i>Plasma Medicine</i> , <b>2013</b> , 3, 15-25	1.1	11
58	Comparison between cold plasma, electrochemotherapy and combined therapy in a melanoma mouse model. <i>Experimental Dermatology</i> , <b>2013</b> , 22, 582-6	4	44
57	Influence of non-thermal atmospheric pressure plasma on cellular structures and processes in human keratinocytes (HaCaT). <i>Journal of Dermatological Science</i> , <b>2013</b> , 70, 173-81	4.3	57
56	Differential influence of components resulting from atmospheric-pressure plasma on integrin expression of human HaCaT keratinocytes. <i>BioMed Research International</i> , <b>2013</b> , 2013, 761451	3	37
55	Comparison of Biological Effects on Human Keratinocytes Using Different Plasma Treatment Regimes. <i>Plasma Medicine</i> , <b>2013</b> , 3, 57-69	1.1	10
54	A Systematic Characterization of a Novel Surface Dielectric Barrier Discharge for Biomedical Experiments. <i>Plasma Medicine</i> , <b>2013</b> , 3, 27-44	1.1	4
53	Cold Physical Plasma Treatment Alters Redox Balance in Human Immune Cells. <i>Plasma Medicine</i> , <b>2013</b> , 3, 267-278	1.1	42
52	Cold plasma is well-tolerated and does not disturb skin barrier or reduce skin moisture. <i>JDDG - Journal of the German Society of Dermatology</i> , <b>2012</b> , 10, 509-15	1.2	39
51	Skin decontamination by low-temperature atmospheric pressure plasma jet and dielectric barrier discharge plasma. <i>Journal of Hospital Infection</i> , <b>2012</b> , 81, 177-83	6.9	148

50	. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 2963-2969	1.3	26
49	Plasma-Liquid Interactions: Chemistry and Antimicrobial Effects. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , <b>2012</b> , 67-78	0.1	18
48	Investigation of Surface Etching of Poly(Ether Ether Ketone) by Atmospheric-Pressure Plasmas. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 2900-2911	1.3	29
47	Comparison of Nonthermal Plasma Processes on the Surface Properties of Polystyrene and Their Impact on Cell Growth. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 2970-2979	1.3	11
46	Time-dependent effects of low-temperature atmospheric-pressure argon plasma on epithelial cell attachment, viability and tight junction formation in vitro. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 025206	3	46
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