

# Eun Ha Choi

## List of Publications by Citations

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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.

240  
papers

6,242  
citations

41  
h-index

67  
g-index

261  
ext. papers

7,823  
ext. citations

4.2  
avg. IF

6.24  
L-index

#	Paper	IF	Citations
240	Biomedical importance of indoles. <i>Molecules</i> , <b>2013</b> , 18, 6620-62	4.8	725
239	Generation mechanism of hydroxyl radical species and its lifetime prediction during the plasma-initiated ultraviolet (UV) photolysis. <i>Scientific Reports</i> , <b>2015</b> , 5, 9332	4.9	263
238	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
237	Biological and medical applications of plasma-activated media, water and solutions. <i>Biological Chemistry</i> , <b>2018</b> , 400, 39-62	4.5	136
236	Nanosecond-Pulsed DBD Plasma-Generated Reactive Oxygen Species Trigger Immunogenic Cell Death in A549 Lung Carcinoma Cells through Intracellular Oxidative Stress. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	120
235	Responses of solid tumor cells in DMEM to reactive oxygen species generated by non-thermal plasma and chemically induced ROS systems. <i>Scientific Reports</i> , <b>2015</b> , 5, 8587	4.9	104
234	Surface plasmon excitation in semitransparent inverted polymer photovoltaic devices and their applications as label-free optical sensors. <i>Light: Science and Applications</i> , <b>2014</b> , 3, e222-e222	16.7	103
233	T-2 mycotoxin: toxicological effects and decontamination strategies. <i>Oncotarget</i> , <b>2017</b> , 8, 33933-33952	3.3	98
232	Work function of MgO single crystals from ion-induced secondary electron emission coefficient. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 764-769	2.5	81
231	Non-thermal plasma treatment diminishes fungal viability and up-regulates resistance genes in a plant host. <i>PLoS ONE</i> , <b>2014</b> , 9, e99300	3.7	78
230	Influence of reactive species on the modification of biomolecules generated from the soft plasma. <i>Scientific Reports</i> , <b>2015</b> , 5, 8221	4.9	77
229	Bacterial inactivation by plasma treated water enhanced by reactive nitrogen species. <i>Scientific Reports</i> , <b>2018</b> , 8, 11268	4.9	75
228	Effects of atmospheric-pressure non-thermal bio-compatible plasma and plasma activated nitric oxide water on cervical cancer cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 45781	4.9	73
227	Altered antioxidant system stimulates dielectric barrier discharge plasma-induced cell death for solid tumor cell treatment. <i>PLoS ONE</i> , <b>2014</b> , 9, e103349	3.7	73
226	Effects of high voltage nanosecond pulsed plasma and micro DBD plasma on seed germination, growth development and physiological activities in spinach. <i>Archives of Biochemistry and Biophysics</i> , <b>2016</b> , 605, 117-28	4.1	69
225	Micronucleus formation induced by dielectric barrier discharge plasma exposure in brain cancer cells. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 084102	3.4	69
224	Impact of ROS Generated by Chemical, Physical, and Plasma Techniques on Cancer Attenuation. <i>Cancers</i> , <b>2019</b> , 11,	6.6	67

223	Measurement of Reactive Hydroxyl Radical Species Inside the Biosolutions During Non-thermal Atmospheric Pressure Plasma Jet Bombardment onto the Solution. <i>Plasma Chemistry and Plasma Processing</i> , <b>2014</b> , 34, 457-472	3.6	66
222	Low doses of PEG-coated gold nanoparticles sensitize solid tumors to cold plasma by blocking the PI3K/AKT-driven signaling axis to suppress cellular transformation by inhibiting growth and EMT. <i>Biomaterials</i> , <b>2016</b> , 87, 118-130	15.6	64
221	A comparative study for the inactivation of multidrug resistance bacteria using dielectric barrier discharge and nano-second pulsed plasma. <i>Scientific Reports</i> , <b>2015</b> , 5, 13849	4.9	63
220	Cytotoxic macrophage-released tumour necrosis factor-alpha (TNF- $\alpha$ ) as a killing mechanism for cancer cell death after cold plasma activation. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 084001	3	62
219	The action of microsecond-pulsed plasma-activated media on the inactivation of human lung cancer cells. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 115401	3	62
218	Induced apoptosis in melanocytes cancer cell and oxidation in biomolecules through deuterium oxide generated from atmospheric pressure non-thermal plasma jet. <i>Scientific Reports</i> , <b>2014</b> , 4, 7589	4.9	60
217	Dielectric Barrier Discharge Plasma Efficiently Delivers an Apoptotic Response in Human Monocytic Lymphoma. <i>Plasma Processes and Polymers</i> , <b>2014</b> , 11, 1175-1187	3.4	57
216	Biomedical and Clinical Importance of Mussel-Inspired Polymers and Materials. <i>Marine Drugs</i> , <b>2015</b> , 13, 6792-817	6	56
215	Effects of background fluid on the efficiency of inactivating yeast with non-thermal atmospheric pressure plasma. <i>PLoS ONE</i> , <b>2013</b> , 8, e66231	3.7	55
214	Cold Atmospheric Plasma-Activated Water Irrigation Induces Defense Hormone and Gene expression in Tomato seedlings. <i>Scientific Reports</i> , <b>2019</b> , 9, 16080	4.9	51
213	Influence of reactive oxygen species on the enzyme stability and activity in the presence of ionic liquids. <i>PLoS ONE</i> , <b>2013</b> , 8, e75096	3.7	50
212	Mechanism and comparison of needle-type non-thermal direct and indirect atmospheric pressure plasma jets on the degradation of dyes. <i>Scientific Reports</i> , <b>2016</b> , 6, 34419	4.9	49
211	The effect of the gap distance between an atmospheric-pressure plasma jet nozzle and liquid surface on OH and N <sub>2</sub> species concentrations. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 073502	2.1	49
210	Influence of ionic liquid and ionic salt on protein against the reactive species generated using dielectric barrier discharge plasma. <i>Scientific Reports</i> , <b>2015</b> , 5, 17781	4.9	49
209	Plasma and Nanomaterials: Fabrication and Biomedical Applications. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	48
208	Non-thermal plasma with 2-deoxy-D-glucose synergistically induces cell death by targeting glycolysis in blood cancer cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 8726	4.9	48
207	Assessment of the Effects of Nitrogen Plasma and Plasma-Generated Nitric Oxide on Early Development of Coriandum sativum. <i>Plasma Processes and Polymers</i> , <b>2015</b> , 12, 1164-1173	3.4	48
206	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> , <b>2019</b> , 114, 093701	3.4	47

205	Effect of jet plasma on T98G human brain cancer cells. <i>Current Applied Physics</i> , <b>2013</b> , 13, 176-180	2.6	47
204	Generation and Role of Reactive Oxygen and Nitrogen Species Induced by Plasma, Lasers, Chemical Agents, and Other Systems in Dentistry. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 7542540	6.7	45
203	Differential Epigenetic Effects of Atmospheric Cold Plasma on MCF-7 and MDA-MB-231 Breast Cancer Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129931	3.7	44
202	Molecular Insights into the Interaction of RONS and Thieno[3,2-c]pyran Analogs with SIRT6/COX-2: A Molecular Dynamics Study. <i>Scientific Reports</i> , <b>2018</b> , 8, 4777	4.9	43
201	Mechanism and optimization of non-thermal plasma-activated water for bacterial inactivation by underwater plasma jet and delivery of reactive species underwater by cylindrical DBD plasma. <i>Current Applied Physics</i> , <b>2019</b> , 19, 1006-1014	2.6	42
200	Variation in the structural changes of myoglobin in the presence of several protic ionic liquid. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 69, 114-23	7.9	41
199	Synthesis and antiproliferative activity of ammonium and imidazolium ionic liquids against T98G brain cancer cells. <i>Molecules</i> , <b>2012</b> , 17, 13727-39	4.8	40
198	Influence of secondary electron emission on breakdown voltage in a plasma display panel. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 592-594	3.4	39
197	High-power microwave generation from an axially extracted virtual cathode oscillator. <i>IEEE Transactions on Plasma Science</i> , <b>2000</b> , 28, 2128-2134	1.3	39
196	A preliminary study of the effect of DBD plasma and osmolytes on T98G brain cancer and HEK non-malignant cells. <i>Molecules</i> , <b>2013</b> , 18, 4917-28	4.8	38
195	Cold atmospheric plasma (CAP), a novel physicochemical source, induces neural differentiation through cross-talk between the specific RONS cascade and Trk/Ras/ERK signaling pathway. <i>Biomaterials</i> , <b>2018</b> , 156, 258-273	15.6	38
194	Structural and functional analysis of lysozyme after treatment with dielectric barrier discharge plasma and atmospheric pressure plasma jet. <i>Scientific Reports</i> , <b>2017</b> , 7, 1027	4.9	37
193	Preventing the Solid Cancer Progression via Release of Anticancer-Cytokines in Co-Culture with Cold Plasma-Stimulated Macrophages. <i>Cancers</i> , <b>2019</b> , 11,	6.6	36
192	Chemical-free and synergistic interaction of ultrasound combined with plasma-activated water (PAW) to enhance microbial inactivation in chicken meat and skin. <i>Scientific Reports</i> , <b>2020</b> , 10, 1559	4.9	36
191	Cold plasma seed priming modulates growth, redox homeostasis and stress response by inducing reactive species in tomato ( <i>Solanum lycopersicum</i> ). <i>Free Radical Biology and Medicine</i> , <b>2020</b> , 156, 57-69	7.8	35
190	Cold atmospheric plasma restores tamoxifen sensitivity in resistant MCF-7 breast cancer cell. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 110, 280-290	7.8	35
189	The antibacterial effect of non-thermal atmospheric pressure plasma treatment of titanium surfaces according to the bacterial wall structure. <i>Scientific Reports</i> , <b>2019</b> , 9, 1938	4.9	35
188	Time-dependent effects of ultraviolet and nonthermal atmospheric pressure plasma on the biological activity of titanium. <i>Scientific Reports</i> , <b>2016</b> , 6, 33421	4.9	34

187	Influence of hydroxyl group position and temperature on thermophysical properties of tetraalkylammonium hydroxide ionic liquids with alcohols. <i>PLoS ONE</i> , <b>2014</b> , 9, e86530	3.7	34
186	Cold atmospheric plasma and silymarin nanoemulsion synergistically inhibits human melanoma tumorigenesis via targeting HGF/c-MET downstream pathway. <i>Cell Communication and Signaling</i> , <b>2019</b> , 17, 52	7.5	32
185	Variation in structure of proteins by adjusting reactive oxygen and nitrogen species generated from dielectric barrier discharge jet. <i>Scientific Reports</i> , <b>2016</b> , 6, 35883	4.9	32
184	Epigenetic silencing of miR-19a-3p by cold atmospheric plasma contributes to proliferation inhibition of the MCF-7 breast cancer cell. <i>Scientific Reports</i> , <b>2016</b> , 6, 30005	4.9	32
183	Disintegration of Carbon Dioxide Molecules in a Microwave Plasma Torch. <i>Scientific Reports</i> , <b>2015</b> , 5, 18436	4.9	32
182	Cellular and molecular responses of <i>Neurospora crassa</i> to non-thermal plasma at atmospheric pressure. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 063703	3.4	32
181	Cold Plasma Jets Made of a Syringe Needle Covered With a Glass Tube. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 1234-1238	1.3	32
180	An atmospheric pressure plasma jet operated by injecting natural air. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 194101	3.4	32
179	Inactivation of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> on contaminated perilla leaves by Dielectric Barrier Discharge (DBD) plasma treatment. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 643, 32-41	4.1	31
178	Enhancement of vitality and activity of a plant growth-promoting bacteria (PGPB) by atmospheric pressure non-thermal plasma. <i>Scientific Reports</i> , <b>2019</b> , 9, 1044	4.9	29
177	Feeding-Gas Effects of Plasma Jets on <i>Escherichia coli</i> in Physiological Solutions. <i>Plasma Processes and Polymers</i> , <b>2013</b> , 10, 235-242	3.4	29
176	Influence of water vapour with non-thermal plasma jet on the apoptosis of SK-BR-3 breast cancer cells. <i>RSC Advances</i> , <b>2015</b> , 5, 14670-14677	3.7	28
175	Selective Killing Effects of Cold Atmospheric Pressure Plasma with NO Induced Dysfunction of Epidermal Growth Factor Receptor in Oral Squamous Cell Carcinoma. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150279	3.7	28
174	Influence of plasma-activated compounds on melanogenesis and tyrosinase activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 21779	4.9	28
173	Cold atmospheric plasma generated reactive species aided inhibitory effects on human melanoma cells: an in vitro and in silico study. <i>Scientific Reports</i> , <b>2020</b> , 10, 3396	4.9	27
172	Impact of Gamma rays and DBD plasma treatments on wastewater treatment. <i>Scientific Reports</i> , <b>2018</b> , 8, 2926	4.9	27
171	Output characteristics of the high-power microwave generated from a coaxial vircator with a bar reflector in a drift region. <i>IEEE Transactions on Plasma Science</i> , <b>2006</b> , 34, 937-944	1.3	26
170	Non-Thermal Atmospheric Pressure Bio-Compatible Plasma Stimulates Apoptosis via p38/MAPK Mechanism in U87 Malignant Glioblastoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	25

169	Surface modification of biphasic calcium phosphate scaffolds by non-thermal atmospheric pressure nitrogen and air plasma treatment for improving osteoblast attachment and proliferation. <i>Thin Solid Films</i> , <b>2013</b> , 547, 235-240	2.2	24
168	Photodynamic Anticancer Activities of Multifunctional Cobalt Ferrite Nanoparticles in Various Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 226-35	4	24
167	How Does Plasma Activated Media Treatment Differ From Direct Cold Plasma Treatment?. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 805-814	2.2	24
166	Recent Progress in Applications of Non-Thermal Plasma for Water Purification, Bio-Sterilization, and Decontamination. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3372	2.6	24
165	The effects of non-thermal atmospheric pressure plasma jet on cellular activity at SLA-treated titanium surfaces. <i>Current Applied Physics</i> , <b>2013</b> , 13, S36-S41	2.6	23
164	Cellular attachment and differentiation on titania nanotubes exposed to air- or nitrogen-based non-thermal atmospheric pressure plasma. <i>PLoS ONE</i> , <b>2014</b> , 9, e113477	3.7	23
163	Scavenging effects of ascorbic acid and mannitol on hydroxyl radicals generated inside water by an atmospheric pressure plasma jet. <i>AIP Advances</i> , <b>2018</b> , 8, 075021	1.5	22
162	The Study on Inhibition of Planktonic Bacterial Growth by Non-Thermal Atmospheric Pressure Plasma Jet Treated Surfaces for Dental Application. <i>Journal of Biomedical Nanotechnology</i> , <b>2015</b> , 11, 334-41	4	22
161	Cold Atmospheric Plasma and Silymarin Nanoemulsion Activate Autophagy in Human Melanoma Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	21
160	Analysis of the antimicrobial effects of nonthermal plasma on fungal spores in ionic solutions. <i>Free Radical Biology and Medicine</i> , <b>2014</b> , 72, 191-9	7.8	21
159	Non-thermal atmospheric pressure plasma increased mRNA expression of growth factors in human gingival fibroblasts. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 1801-8	4.2	20
158	Raman spectroscopic study of plasma-treated salmon DNA. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 021911	3.4	20
157	Evaluation of non-thermal plasma-induced anticancer effects on human colon cancer cells. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 2649-2659	3.5	20
156	Synthesis and anticancer activity of di(3-thienyl)methanol and di(3-thienyl)methane. <i>Molecules</i> , <b>2012</b> , 17, 11456-68	4.8	20
155	Analysis of Firing Voltage in a Plasma Display Panel of Coplanar Electrodes. <i>Japanese Journal of Applied Physics</i> , <b>1998</b> , 37, L1178-L1180	1.4	20
154	Sustainable nitrogen fixation from synergistic effect of photo-electrochemical water splitting and atmospheric pressure N <sub>2</sub> plasma. <i>Plasma Sources Science and Technology</i> , <b>2020</b> , 29, 045026	3.5	19
153	Effect of wet storage on the bioactivity of ultraviolet light- and non-thermal atmospheric pressure plasma-treated titanium and zirconia implant surfaces. <i>Materials Science and Engineering C</i> , <b>2019</b> , 105, 110049	8.3	19
152	Non-thermal plasma jet without electrical shock for biomedical applications. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 164101	3.4	19

151	The role of non-thermal atmospheric pressure biocompatible plasma in the differentiation of osteoblastic precursor cells, MC3T3-E1. <i>Oncotarget</i> , <b>2017</b> , 8, 36399-36409	3.3	19
150	Recent Advances in Pathophysiology, Drug Development and Future Perspectives of SARS-CoV-2. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 580202	5.7	19
149	Enhancement of hydrogen peroxide production from an atmospheric pressure argon plasma jet and implications to the antibacterial activity of plasma activated water. <i>Plasma Sources Science and Technology</i> , <b>2021</b> , 30, 035009	3.5	19
148	Low-Temperature Plasma-Assisted Nitrogen Fixation for Corn Plant Growth and Development. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	19
147	Potential Antioxidant Anthraquinones Isolated from <i>Rheum emodi</i> Showing Nematicidal Activity against <i>Meloidogyne incognita</i> . <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-9	2.3	18
146	CAP modifies the structure of a model protein from thermophilic bacteria: mechanisms of CAP-mediated inactivation. <i>Scientific Reports</i> , <b>2018</b> , 8, 10218	4.9	18
145	Optical and structural properties of plasma-treated <i>Cordyceps bassiana</i> spores as studied by circular dichroism, absorption, and fluorescence spectroscopy. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 023303	3.5	17
144	Treatment of oral hyperpigmentation and gummy smile using lasers and role of plasma as a novel treatment technique in dentistry: An introductory review. <i>Oncotarget</i> , <b>2017</b> , 8, 20496-20509	3.3	17
143	Effects of the physical parameters of a microwave plasma jet on the inactivation of fungal spores. <i>Thin Solid Films</i> , <b>2013</b> , 547, 125-131	2.2	17
142	Development of ultra-hydrophilic and non-cytotoxic dental vinyl polysiloxane impression materials using a non-thermal atmospheric-pressure plasma jet. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 195203	3	17
141	In situ plasma-assisted synthesis of polydopamine-functionalized gold nanoparticles for biomedical applications. <i>Green Chemistry</i> , <b>2020</b> , 22, 6588-6599	10	17
140	Enhancing the power of high power microwaves by using zone plate and investigations for the position of virtual cathode inside the drift tube. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 103113	2.1	17
139	Control of hydrogen peroxide production in plasma activated water by utilizing nitrification. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 265206	3	16
138	Impact of non-thermal dielectric barrier discharge plasma on <i>Staphylococcus aureus</i> and <i>Bacillus cereus</i> and quality of dried blackmouth angler ( <i>Lophiomus setigerus</i> ). <i>Journal of Food Engineering</i> , <b>2020</b> , 278, 109952	6	16
137	The effects of non-thermal atmospheric pressure plasma jet on attachment of osteoblast. <i>Current Applied Physics</i> , <b>2013</b> , 13, S42-S47	2.6	16
136	Interaction studies of carbon nanomaterials and plasma activated carbon nanomaterials solution with telomere binding protein. <i>Scientific Reports</i> , <b>2017</b> , 7, 2636	4.9	16
135	. <i>IEEE Transactions on Plasma Science</i> , <b>2005</b> , 33, 1353-1357	1.3	16
134	. <i>IEEE Transactions on Plasma Science</i> , <b>2002</b> , 30, 1728-1732	1.3	16

133	The protective action of osmolytes on the deleterious effects of gamma rays and atmospheric pressure plasma on protein conformational changes. <i>Scientific Reports</i> , <b>2017</b> , 7, 8698	4.9	15
132	Electron plasma wave propagation in external-electrode fluorescent lamps. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 021502	3.4	15
131	A theoretical model of bulk plasma generated by the electron-cyclotron-resonance mechanism. <i>Physics of Fluids B</i> , <b>1993</b> , 5, 1902-1910		15
130	Pulsed high-power microwaves do not impair the functions of skin normal and cancer cells : A short-term biological evaluation. <i>Journal of Advanced Research</i> , <b>2020</b> , 22, 47-55	13	15
129	Cold Atmospheric Plasma Restores Paclitaxel Sensitivity to Paclitaxel-Resistant Breast Cancer Cells by Reversing Expression of Resistance-Related Genes. <i>Cancers</i> , <b>2019</b> , 11,	6.6	15
128	Melanoma Growth Analysis in Blood Serum and Tissue Using Xenograft Model with Response to Cold Atmospheric Plasma Activated Medium. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4227	2.6	14
127	Antibacterial activity and effect on gingival cells of microwave-pulsed non-thermal atmospheric pressure plasma in artificial saliva. <i>Scientific Reports</i> , <b>2017</b> , 7, 8395	4.9	14
126	A diode design study of the virtual cathode oscillator with a ring-type reflector. <i>IEEE Transactions on Plasma Science</i> , <b>2005</b> , 33, 2011-2016	1.3	14
125	Sterilization of <i>Neurospora Crassa</i> by Noncontacted Low Temperature Atmospheric Pressure Surface Discharged Plasma with Dielectric Barrier Structure. <i>Applied Science and Convergence Technology</i> , <b>2013</b> , 22, 55-65	0.8	14
124	Strategies for Using Polydopamine to Induce Biomineralization of Hydroxyapatite on Implant Materials for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	14
123	Types of devices used in ridge split procedure for alveolar bone expansion: A systematic review. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180342	3.7	13
122	Dissociation and excitation coefficients of nitrogen molecules and nitrogen monoxide generation. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 083502	2.1	13
121	Gold quantum dots impair the tumorigenic potential of glioma stem-like cells via Eatenin downregulation in vitro. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 1131-1148	7.3	12
120	Cold Atmospheric Plasma and Gold Quantum Dots Exert Dual Cytotoxicity Mediated by the Cell Receptor-Activated Apoptotic Pathway in Glioblastoma Cells. <i>Cancers</i> , <b>2020</b> , 12,	6.6	12
119	Effects of reactive oxygen species on the biological, structural, and optical properties of <i>Cordyceps pruinosa</i> spores. <i>RSC Advances</i> , <b>2016</b> , 6, 30699-30709	3.7	12
118	ChIP-seq analysis reveals alteration of H3K4 trimethylation occupancy in cancer-related genes by cold atmospheric plasma. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 126, 133-141	7.8	12
117	Production of nitric oxide using a microwave plasma torch and its application to fungal cell differentiation. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 195401	3	12
116	Evidence of radicals created by plasma in bacteria in water. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 073702	3.4	12



115	Size-Dependent Photodynamic Anticancer Activity of Biocompatible Multifunctional Magnetic Submicron Particles in Prostate Cancer Cells. <i>Molecules</i> , <b>2016</b> , 21,	4.8	12
114	Hemorheological alterations of red blood cells induced by non-thermal dielectric barrier discharge plasma. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 193701	3.4	12
113	The Effects of Non-Thermal Atmospheric Pressure Plasma treated Titanium Surface on Behaviors of Oral Soft Tissue Cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 15963	4.9	12
112	Influence of oxygen on generation of reactive chemicals from nitrogen plasma jet. <i>Scientific Reports</i> , <b>2018</b> , 8, 9318	4.9	11
111	Surface modification of PVA thin film by nonthermal atmospheric pressure plasma for antifogging property. <i>AIP Advances</i> , <b>2019</b> , 9, 075008	1.5	11
110	Development of hydrophilic dental wax without surfactant using a non-thermal air atmospheric pressure plasma jet. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 235402	3	11
109	Influence of Nitric Oxide generated through microwave plasma on L6 skeletal muscle cell myogenesis via oxidative signaling pathways. <i>Scientific Reports</i> , <b>2017</b> , 7, 542	4.9	11
108	Effect of nanosecond-pulsed plasma on the structural modification of biomolecules. <i>RSC Advances</i> , <b>2015</b> , 5, 47300-47308	3.7	11
107	Plasma Bullet as a Plasma Diffusion Wave-Packet in Plasma Jets. <i>IEEE Transactions on Plasma Science</i> , <b>2013</b> , 41, 1635-1643	1.3	11
106	Output Characteristics of the Axially Extracted Virtual Cathode Oscillator With a Cathode-Wing. <i>IEEE Transactions on Plasma Science</i> , <b>2009</b> , 37, 304-310	1.3	11
105	Immunopathology, host-virus genome interactions, and effective vaccine development in SARS-CoV-2. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 3774-3787	6.8	11
104	Anti-tumor effects of cold atmospheric pressure plasma on vestibular schwannoma demonstrate its feasibility as an intra-operative adjuvant treatment. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 115, 43-56	7.8	11
103	Plasma treatment causes structural modifications in lysozyme, and increases cytotoxicity towards cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 182, 1724-1736	7.9	11
102	Electron temperature and density of non-thermal atmospheric pressure argon plasma jet by convective wave packet model. <i>Journal of the Korean Physical Society</i> , <b>2017</b> , 70, 979-989	0.6	10
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