

# Eun Ha Choi

## 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.

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	Nitric-oxide enriched plasma-activated water inactivates 229E coronavirus and alters antiviral response genes in human lung host cells.. <i>Bioactive Materials</i> , <b>2023</b> , 19, 569-580	16.7	2
239	Highly Efficient and Stable Organic Light-Emitting Diodes with Inner Passivating Hole-Transfer Interlayers of Poly(amic acid)-Polyimide Copolymer.. <i>Advanced Science</i> , <b>2022</b> , e2105851	13.6	2
238	Application of dielectric barrier discharge plasma for the reduction of non-pathogenic Escherichia coli and E. coli O157:H7 and the quality stability of fresh oysters ( <i>Crassostrea gigas</i> ). <i>LWT - Food Science and Technology</i> , <b>2022</b> , 154, 112698	5.4	2
237	In-situ growth of manganese oxide on self-assembled 3D- magnesium hydroxide coated on polyurethane: Catalytic oxidation mechanism and application for Mn(II) removal. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127267	12.8	2
236	Phytoconstituents of traditional Himalayan Herbs as potential inhibitors of Human Papillomavirus (HPV-18) for cervical cancer treatment: An In silico Approach.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0265420	3.7	1
235	Plasma bioscience for medicine, agriculture and hygiene applications.. <i>Journal of the Korean Physical Society</i> , <b>2022</b> , 1-35	0.6	4
234	Nanocarrier cancer therapeutics with functional stimuli-responsive mechanisms.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 152	9.4	0
233	Enhancing Antioxidant Activities and Anti-Aging Effect of Rice Stem Cell Extracts by Plasma Treatment. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2903	2.6	0
232	Low-Temperature Plasma-Activated Medium Inhibited Proliferation and Progression of Lung Cancer by Targeting the PI3K/Akt and MAPK Pathways.. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2022</b> , 2022, 9014501	6.7	
231	Output-Power Enhancement of Vircator Based on Second Virtual Cathode Formed by Wall Charge on a Dielectric Reflector. <i>IEEE Transactions on Electron Devices</i> , <b>2022</b> , 69, 2043-2050	2.9	4
230	Role of Dexamethasone and Methylprednisolone Corticosteroids in Coronavirus Disease 2019 Hospitalized Patients: A Review.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 813358	5.7	3
229	Non-thermal argon plasma jets of various lengths for selective reactive oxygen and nitrogen species production. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107782	6.8	0
228	Non-Thermal Plasma Jet-Treated Medium Induces Selective Cytotoxicity against Mycobacterium tuberculosis-Infected Macrophages. <i>Biomedicines</i> , <b>2022</b> , 10, 1243	4.8	
227	Changing Dynamics of SARS-CoV-2: A Global Challenge. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5546	2.6	0
226	Study on the Synthesis of ZnO Nanoparticles Using Extracts for the Fabrication of a Gas Sensor.. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
225	Current Potential Therapeutic Approaches against SARS-CoV-2: A Review. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	3
224	Nitrate Capture Investigation in Plasma-Activated Water and Its Antifungal Effect on Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1

223	Plasma Bioscience and Medicines. <i>Applied Science and Convergence Technology</i> , <b>2021</b> , 30, 118-136	0.8	2
222	Blockade of Cellular Energy Metabolism through 6-Aminonicotinamide Reduces Proliferation of Non-Small Lung Cancer Cells by Inducing Endoplasmic Reticulum Stress. <i>Biology</i> , <b>2021</b> , 10,	4.9	1
221	Improvement of Cell Growth of Uterosacral Ligament Fibroblast Derived from Pelvic Organ Prolapse Patients by Cold Atmospheric Plasma Treated Liquid. <i>Cells</i> , <b>2021</b> , 10,	7.9	1
220	Phytochemicals from Himalayan Medicinal Plants as Potential Drugs to Treat Multidrug-Resistant $\square$ An In Silico Approach. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	7
219	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
218	Assessment of potential infectivity of human norovirus in the traditional Korean salted clam product "Jogaejeotgal" by floating electrode-dielectric barrier discharge plasma. <i>Food Research International</i> , <b>2021</b> , 141, 110107	7	3
217	Pulsed 3.5GHz high power microwaves irradiation on physiological solution and their biological evaluation on human cell lines. <i>Scientific Reports</i> , <b>2021</b> , 11, 8475	4.9	7
216	Plasma bioscience and its application to medicine. <i>AAPPS Bulletin</i> , <b>2021</b> , 31, 1		9
215	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
214	Particle in cell simulation for the power enhancement by forming the second virtual cathode in an axial vircator. <i>Results in Physics</i> , <b>2021</b> , 24, 104126	3.7	4
213	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
212	Structural and Optical Sensing Properties of Nonthermal Atmospheric Plasma-Synthesized Polyethylene Glycol-Functionalized Gold Nanoparticles. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
211	Evaluation of non-thermal effect of microwave radiation and its mode of action in bacterial cell inactivation. <i>Scientific Reports</i> , <b>2021</b> , 11, 14003	4.9	9
210	Measurement of nitrogen dioxide and nitric oxide densities by using CEAS (cavity-enhanced absorption spectroscopy) in nonthermal atmospheric pressure air plasma. <i>Plasma Processes and Polymers</i> , <b>2021</b> , 18, 2000168	3.4	6
209	Plasma-mediated enhancement of enzyme secretion in <i>Aspergillus oryzae</i> . <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 262-276	6.3	4
208	CRISPR/Cas9 based genome editing for targeted transcriptional control in triple-negative breast cancer. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 2384-2397	6.8	9
207	Non-Thermal Biocompatible Plasma Jet Induction of Apoptosis in Brain Cancer Cells. <i>Cells</i> , <b>2021</b> , 10,	7.9	6
206	Highly efficient self-powered perovskite photodiode with an electron-blocking hole-transport NiO layer. <i>Scientific Reports</i> , <b>2021</b> , 11, 169	4.9	9

205	Influence of Non-Thermal Atmospheric Pressure Plasma Jet on Extracellular Activity of $\alpha$ -Amylase in <i>Aspergillus oryzae</i> . <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 691	2.6	1
204	Measurement of electron density in transient spark discharge by simple interferometry. <i>Results in Physics</i> , <b>2021</b> , 20, 103693	3.7	8
203	Glycolytic inhibitor induces metabolic crisis in solid cancer cells to enhance cold plasma-induced cell death. <i>Plasma Processes and Polymers</i> , <b>2021</b> , 18, 2000187	3.4	3
202	Simple and Efficient Perovskite Solar Cells with Multi-Functional Mixed Interfacial Layers. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2002007	4.6	0
201	Cocktail of reactive species generated by cold atmospheric plasma: oral administration induces non-small cell lung cancer cell death. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 185202	3	7
200	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
199	UV Absorption Spectroscopy for the Diffusion of Plasma-Generated Reactive Species through a Skin Model. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7958	2.6	0
198	Plasma-synthesized mussel-inspired gold nanoparticles promote autophagy-dependent damage-associated molecular pattern release to potentiate immunogenic cancer cell death. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 100, 99-111	6.3	8
197	Focus of high-power microwaves with positive and negative zone plate to increase the receiving power in axial virtual cathode oscillator. <i>Current Applied Physics</i> , <b>2021</b> , 29, 89-96	2.6	3
196	Generation of reactive species by naturally sucked air in the Ar plasma jet. <i>Results in Physics</i> , <b>2021</b> , 30, 104863	3.7	6
195	Screening of and Plants and Identification of Major Phytometabolites in Potential Plant Extracts Responsible for Apoptosis Induction in Skin Melanoma and Lung Adenocarcinoma Cells.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 779393	5.8	0
194	Drug Resistance Reversal Potential of Nanoparticles/Nanocomposites via Antibiotic@ Potentiation in Multi Drug Resistant .. <i>Nanomaterials</i> , <b>2021</b> , 12,	5.4	2
193	Interactions between atmospheric pressure plasma jet and deionized water surface. <i>Results in Physics</i> , <b>2020</b> , 19, 103569	3.7	10
192	ZNRD1 and Its Antisense Long Noncoding RNA ZNRD1-AS1 Are Oppositely Regulated by Cold Atmospheric Plasma in Breast Cancer Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 9490567	6.7	10
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 and Silymarin Nanoemulsion Activate Autophagy in Human Melanoma Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	21
189	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
188	A novel approach to form second virtual cathode by installing a floating zone plate inside the drift tube. <i>Results in Physics</i> , <b>2020</b> , 17, 103052	3.7	8

187	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
186	Impact of non-thermal dielectric barrier discharge plasma on Staphylococcus aureus and Bacillus cereus and quality of dried blackmouth angler ( <i>Lophiomus setigerus</i> ). <i>Journal of Food Engineering</i> , <b>2020</b> , 278, 109952	6	16
185	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
184	Anticancer Activity of Liquid Treated with Microwave Plasma-Generated Gas through Macrophage Activation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 2946820	6.7	8
183	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
182	Electromagnetic pulse shielding effectiveness of circular multi-waveguides for fluids. <i>Results in Physics</i> , <b>2020</b> , 16, 102946	3.7	6
181	Adhesion between Epoxy Resin-Based Fiber Post and Dental Core Resin Improved by Non-Thermal Atmospheric Pressure Plasma. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2535	2.6	2
180	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
179	Cold Atmospheric Plasma Sources for Cancer Applications and Their Diagnostics. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , <b>2020</b> , 53-73	0.4	1
178	Structural modification of NADPH oxidase activator (Noxa 1) by oxidative stress: An experimental and computational study. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 2405-2414	7.9	9
177	Optical assessment of chiral-chiral polymer blends based on surface plasmon resonance effects of gold nanoparticles. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 095102	3	2
176	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
175	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
174	Virucidal Effects of Dielectric Barrier Discharge Plasma on Human Norovirus Infectivity in Fresh Oysters (). <i>Foods</i> , <b>2020</b> , 9,	4.9	10
173	Inactivation of Infectious Bacteria Using Nonthermal Biocompatible Plasma Cabinet Sterilizer. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
172	Enhancement of antibacterial and wettability performances of polyvinyl alcohol/chitosan film using non-thermal atmospheric pressure plasma. <i>Applied Surface Science</i> , <b>2020</b> , 532, 147339	6.7	9
171	Plasma-assisted nitrogen fixation in water with various metals. <i>Reaction Chemistry and Engineering</i> , <b>2020</b> , 5, 2053-2057	4.9	9
170	Antiproliferative Activity of Pyracantha and Paullinia Plant Extracts on Aggressive Breast and Hepatocellular Carcinoma Cells. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7543	2.6	2

169	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
168	Genome-Wide Comparison of the Target Genes of the Reactive Oxygen Species and Non-Reactive Oxygen Species Constituents of Cold Atmospheric Plasma in Cancer Cells. <i>Cancers</i> , <b>2020</b> , 12,	6.6	4
167	The Efficiency of Atmospheric Dielectric Barrier Discharge Plasma against and on Dried Liver (). <i>Foods</i> , <b>2020</b> , 9,	4.9	3
166	Enhanced Osteogenic Differentiation of Human Mesenchymal Stem Cells on Amine-Functionalized Titanium Using Humidified Ammonia Supplied Nonthermal Atmospheric Pressure Plasma. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
165	Influence of Nonthermal Atmospheric Plasma-Activated Water on the Structural, Optical, and Biological Properties of <i>Aspergillus brasiliensis</i> Spores. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6378	2.6	4
164	Utility of Reactive Species Generation in Plasma Medicine for Neuronal Development. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	3
163	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
162	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
161	Plasma-Treated <i>Flammulina velutipes</i> -Derived Extract Showed Anticancer Potential in Human Breast Cancer Cells. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8395	2.6	5
160	Enhancement in the power of microwaves by the interference with a cone-shaped reflector in an axial vircator. <i>Results in Physics</i> , <b>2019</b> , 15, 102611	3.7	10
159	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
158	Optical Sensing Properties of ZnO Nanoparticles Prepared by Spray Pyrolysis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 1048-1051	1.3	2
157	Plasma and Nanomaterials: Fabrication and Biomedical Applications. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	48
156	Coagulation, deformability, and aggregation of RBCs and platelets following exposure to dielectric barrier discharge plasma with the use of different feeding gases. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 155202	3	6
155	Dynamics of nitric oxide level in liquids treated with microwave plasma-generated gas and their effects on spinach development. <i>Scientific Reports</i> , <b>2019</b> , 9, 1011	4.9	9
154	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
153	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
152	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

151	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
150	Gold quantum dots impair the tumorigenic potential of glioma stem-like cells via E-cadherin downregulation in vitro. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 1131-1148	7.3	12
149	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
148	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
147	Regulation of Redox Homeostasis by Nonthermal Biocompatible Plasma Discharge in Stem Cell Differentiation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 2318680	6.7	4
146	Properties of plasma sterilizer using non-thermal atmospheric-pressure biocompatible plasma. <i>AIP Advances</i> , <b>2019</b> , 9, 075125	1.5	2
145	<i>Aspergillus oryzae</i> spore germination is enhanced by non-thermal atmospheric pressure plasma. <i>Scientific Reports</i> , <b>2019</b> , 9, 11184	4.9	7
144	Effects of humidity on room disinfection by dielectric barrier discharge plasma. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 425204	3	10
143	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
142	Impact of ROS Generated by Chemical, Physical, and Plasma Techniques on Cancer Attenuation. <i>Cancers</i> , <b>2019</b> , 11,	6.6	67
141	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
140	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
139	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
138	One-Pot Synthesis of Copper Nanoparticles Using Underwater Plasma. <i>IEEE Transactions on Plasma Science</i> , <b>2019</b> , 47, 1690-1694	1.3	2
137	Spore Viability and Cell Wall Integrity of <i>Cordyceps pruinosus</i> Treated with an Electric Shock-Free, Atmospheric-Pressure Air Plasma Jet. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3921	2.6	3
136	Effects of a Non-Thermal Atmospheric Pressure Plasma Jet with Different Gas Sources and Modes of Treatment on the Fate of Human Mesenchymal Stem Cells. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4819	2.6	1
135	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
134	Enhancement of cellular glucose uptake by reactive species: a promising approach for diabetes therapy.. <i>RSC Advances</i> , <b>2018</b> , 8, 9887-9894	3.7	7

133	Characterization of physical and biochemical changes in plasma treated spinach seed during germination. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 145205	3	9
132	Impact of Gamma rays and DBD plasma treatments on wastewater treatment. <i>Scientific Reports</i> , <b>2018</b> , 8, 2926	4.9	27
131	Inactivation of Escherichia coli and Staphylococcus aureus 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
130	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
129	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
128	Influence of oxygen on generation of reactive chemicals from nitrogen plasma jet. <i>Scientific Reports</i> , <b>2018</b> , 8, 9318	4.9	11
127	Bacterial inactivation by plasma treated water enhanced by reactive nitrogen species. <i>Scientific Reports</i> , <b>2018</b> , 8, 11268	4.9	75
126	Hemoglobin as a Diagnosing Molecule for Biological Effects of Atmospheric-Pressure Plasma. <i>Plasma Chemistry and Plasma Processing</i> , <b>2018</b> , 38, 937-952	3.6	4
125	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
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	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
122	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
121	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
120	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
119	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
118	An atmospheric pressure plasma jet operated by injecting natural air. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 194101	3.4	32
117	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
116	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



115	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
114	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
113	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
112	Influence of plasma-generated reactive species on the plasmid DNA structure and plasmid-mediated transformation of <i>Escherichia coli</i> cells. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 103303	2.5	7
111	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
110	T-2 mycotoxin: toxicological effects and decontamination strategies. <i>Oncotarget</i> , <b>2017</b> , 8, 33933-33952	3.3	98
109	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
108	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
107	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
106	Flexible ligated ruthenium(II) self-assemblies sensitizes glioma tumor initiating cells. <i>Oncotarget</i> , <b>2017</b> , 8, 60188-60200	3.3	4
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