

Kateryna Bazaka

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146
papers

4,824
citations

38
h-index

65
g-index

159
ext. papers

6,014
ext. citations

7.2
avg, IF

6.16
L-index

#	Paper	IF	Citations
146	Metallic Biomaterials: Current Challenges and Opportunities. <i>Materials</i> , 2017 , 10,	3.5	258
145	Review on the Antimicrobial Properties of Carbon Nanostructures. <i>Materials</i> , 2017 , 10,	3.5	229
144	Plasma-assisted surface modification of organic biopolymers to prevent bacterial attachment. <i>Acta Biomaterialia</i> , 2011 , 7, 2015-28	10.8	223
143	Implantable Devices: Issues and Challenges. <i>Electronics (Switzerland)</i> , 2013 , 2, 1-34	2.6	171
142	Efficient surface modification of biomaterial to prevent biofilm formation and the attachment of microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2012 , 95, 299-311	5.7	165
141	Cold atmospheric plasma activated water as a prospective disinfectant: the crucial role of peroxydinitrite. <i>Green Chemistry</i> , 2018 , 20, 5276-5284	10	165
140	Space micropropulsion systems for Cubesats and small satellites: From proximate targets to furthestmost frontiers. <i>Applied Physics Reviews</i> , 2018 , 5, 011104	17.3	160
139	Anti-bacterial surfaces: natural agents, mechanisms of action, and plasma surface modification. <i>RSC Advances</i> , 2015 , 5, 48739-48759	3.7	144
138	Sustainable Life Cycles of Natural-Precursor-Derived Nanocarbons. <i>Chemical Reviews</i> , 2016 , 116, 163-214	48.1	136
137	Materials and methods for encapsulation of OPV: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 27, 104-117	16.2	136
136	Plasma-activated water: generation, origin of reactive species and biological applications. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 303001	3	129
135	Effects of Atmospheric-Pressure N ₂ , He, Air, and O ₂ Microplasmas on Mung Bean Seed Germination and Seedling Growth. <i>Scientific Reports</i> , 2016 , 6, 32603	4.9	113
134	Catalyst-Free Plasma Enhanced Growth of Graphene from Sustainable Sources. <i>Nano Letters</i> , 2015 , 15, 5702-8	11.5	101
133	Synergic bactericidal effects of reduced graphene oxide and silver nanoparticles against Gram-positive and Gram-negative bacteria. <i>Scientific Reports</i> , 2017 , 7, 1591	4.9	90
132	Perspectives, frontiers, and new horizons for plasma-based space electric propulsion. <i>Physics of Plasmas</i> , 2020 , 27, 020601	2.1	80
131	Hierarchical Multicomponent Inorganic Metamaterials: Intrinsically Driven Self-Assembly at the Nanoscale. <i>Advanced Materials</i> , 2018 , 30, 1702226	24	77
130	Do bacteria differentiate between degrees of nanoscale surface roughness?. <i>Biotechnology Journal</i> , 2011 , 6, 1103-14	5.6	73

129	Interaction of Atmospheric-Pressure Air Microplasmas with Amino Acids as Fundamental Processes in Aqueous Solution. <i>PLoS ONE</i> , 2016 , 11, e0155584	3.7	65
128	Advanced Materials for Next-Generation Spacecraft. <i>Advanced Materials</i> , 2018 , 30, e1802201	24	62
127	Plasma under control: Advanced solutions and perspectives for plasma flux management in material treatment and nanosynthesis. <i>Applied Physics Reviews</i> , 2017 , 4, 041302	17.3	60
126	Bacterial extracellular polysaccharides. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 715, 213-263.6	6	60
125	The Emerging Role of Gas Plasma in Oncotherapy. <i>Trends in Biotechnology</i> , 2018 , 36, 1183-1198	15.1	59
124	Removal of organophosphorus pesticide residues from <i>Lycium barbarum</i> by gas phase surface discharge plasma. <i>Chemical Engineering Journal</i> , 2018 , 342, 401-409	14.7	57
123	Plasma-enhanced synthesis of bioactive polymeric coatings from monoterpene alcohols: a combined experimental and theoretical study. <i>Biomacromolecules</i> , 2010 , 11, 2016-26	6.9	57
122	Prospects and physical mechanisms for photonic space propulsion. <i>Nature Photonics</i> , 2018 , 12, 649-657	33.9	54
121	Synthesis of radio frequency plasma polymerized non-synthetic Terpinen-4-ol thin films. <i>Materials Letters</i> , 2009 , 63, 1594-1597	3.3	52
120	White paper on the future of plasma science and technology in plastics and textiles. <i>Plasma Processes and Polymers</i> , 2019 , 16, 1700228	3.4	51
119	The Effect of Polyterpenol Thin Film Surfaces on Bacterial Viability and Adhesion. <i>Polymers</i> , 2011 , 3, 388-404	4.9	50
118	Synergistic Effect of Atmospheric-pressure Plasma and TiO Photocatalysis on Inactivation of <i>Escherichia coli</i> Cells in Aqueous Media. <i>Scientific Reports</i> , 2016 , 6, 39552	4.9	50
117	Microplasma Bubbles: Reactive Vehicles for Biofilm Dispersal. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20660-20669	9.5	45
116	Interfacial modification of titanium dioxide to enhance photocatalytic efficiency towards H ₂ production. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 376-385	9.3	44
115	Quantification of plasma produced OH radical density for water sterilization. <i>Plasma Processes and Polymers</i> , 2018 , 15, 1700241	3.4	43
114	Intracellular effects of atmospheric-pressure plasmas on melanoma cancer cells. <i>Physics of Plasmas</i> , 2015 , 22, 122003	2.1	43
113	Lightning under water: Diverse reactive environments and evidence of synergistic effects for material treatment and activation. <i>Applied Physics Reviews</i> , 2018 , 5, 021103	17.3	41
112	Plasma polymerised thin films for flexible electronic applications. <i>Thin Solid Films</i> , 2013 , 546, 167-170	2.2	40

111	Comparative study of photocatalysis and gas sensing of ZnO/Ag nanocomposites synthesized by one- and two-step polymer-network gel processes. <i>Journal of Alloys and Compounds</i> , 2021 , 868, 158723	5.7	39
110	Plasma-enabled catalyst-free conversion of ethanol to hydrogen gas and carbon dots near room temperature. <i>Chemical Engineering Journal</i> , 2020 , 382, 122745	14.7	39
109	From nanometre to millimetre: a range of capabilities for plasma-enabled surface functionalization and nanostructuring. <i>Materials Horizons</i> , 2018 , 5, 765-798	14.4	37
108	Post-deposition ageing reactions of plasma derived polyterpenol thin films. <i>Polymer Degradation and Stability</i> , 2010 , 95, 1123-1128	4.7	35
107	Graphene oxide based supercapacitors from agricultural wastes: A step to mass production of highly efficient electrodes for electrical transportation systems. <i>Renewable Energy</i> , 2020 , 151, 731-739	8.1	35
106	Oxygen plasmas: a sharp chisel and handy trowel for nanofabrication. <i>Nanoscale</i> , 2018 , 10, 17494-17511	7.7	33
105	Wearable, Flexible, Disposable Plasma-Reduced Graphene Oxide Stress Sensors for Monitoring Activities in Austere Environments. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15122-15132	9.5	32
104	Optical and Surface Characterization of Radio Frequency Plasma Polymerized 1-Isopropyl-4-Methyl-1,4-Cyclohexadiene Thin Films. <i>Electronics (Switzerland)</i> , 2014 , 3, 266-281	2.6	32
103	Investigation of interfacial charging and discharging in double-layer pentacene-based metal-insulator-metal device with polyterpenol blocking layer using electric field induced second harmonic generation. <i>Chemical Physics Letters</i> , 2011 , 503, 105-111	2.5	32
102	Optical and chemical properties of polyterpenol thin films deposited via plasma-enhanced chemical vapor deposition. <i>Journal of Materials Research</i> , 2011 , 26, 1018-1025	2.5	32
101	Electron-blocking hole-transport polyterpenol thin films. <i>Chemical Physics Letters</i> , 2012 , 528, 26-28	2.5	31
100	Spectral characteristics of cotton seeds treated by a dielectric barrier discharge plasma. <i>Scientific Reports</i> , 2017 , 7, 5601	4.9	31
99	MoS ₂ -based nanostructures: synthesis and applications in medicine. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 183001	3	30
98	Pro-apoptotic NOXA is implicated in atmospheric-pressure plasma-induced melanoma cell death. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 464002	3	29
97	Mars Colonization: Beyond Getting There. <i>Global Challenges</i> , 2019 , 3, 1800062	4.3	29
96	Fabrication and characterization of polyterpenol as an insulating layer and incorporated organic field effect transistor. <i>Thin Solid Films</i> , 2010 , 518, 6123-6129	2.2	28
95	Formation of vertically oriented graphenes: what are the key drivers of growth?. <i>2D Materials</i> , 2018 , 5, 044002	5.9	25
94	Resistive switching in graphene-organic device: Charge transport properties of graphene-organic device through electric field induced optical second harmonic generation and charge modulation spectroscopy. <i>Carbon</i> , 2017 , 112, 111-116	10.4	25

93	Towards universal plasma-enabled platform for the advanced nanofabrication: plasma physics level approach. <i>Reviews of Modern Plasma Physics</i> , 2018 , 2, 1	5.6	24
92	Photostability of plasma polymerized Terpinene thin films for encapsulation of OPV. <i>Scientific Reports</i> , 2017 , 7, 45599	4.9	23
91	Eco-friendly nanocomposites derived from geranium oil and zinc oxide in one step approach. <i>Scientific Reports</i> , 2019 , 9, 5973	4.9	23
90	Cold Atmospheric Plasma: A Promising Controller of Cancer Cell States. <i>Cancers</i> , 2020 , 12,	6.6	23
89	The Fate of Osteoblast-Like MG-63 Cells on Pre-Infected Bactericidal Nanostructured Titanium Surfaces. <i>Materials</i> , 2019 , 12,	3.5	22
88	Wetting, Solubility and Chemical Characteristics of Plasma-Polymerized 1-Isopropyl-4-Methyl-1,4-Cyclohexadiene Thin Films. <i>Coatings</i> , 2014 , 4, 527-552	2.9	22
87	Superhydrophobic fluorine-modified cerium-doped mesoporous carbon as an efficient catalytic platform for photo-degradation of organic pollutants. <i>Carbon</i> , 2019 , 147, 323-333	10.4	21
86	Retention of Antibacterial Activity in Geranium Plasma Polymer Thin Films. <i>Nanomaterials</i> , 2017 , 7,	5.4	21
85	Structural Characterization of Terpinene Thin Films Using Mass Spectroscopy and X-Ray Photoelectron Spectroscopy. <i>Plasma Processes and Polymers</i> , 2015 , 12, 1085-1094	3.4	20
84	Effects of Iodine Doping on Optoelectronic and Chemical Properties of Polyterpenol Thin Films. <i>Nanomaterials</i> , 2017 , 7,	5.4	19
83	High-Performance Plasma-Enabled Biorefining of Microalgae to Value-Added Products. <i>ChemSusChem</i> , 2019 , 12, 4976-4985	8.3	18
82	Plasma-potentiated small molecules possible alternative to antibiotics?. <i>Nano Futures</i> , 2017 , 1, 025002	3.6	16
81	Tuning and fine morphology control of natural resource-derived vertical graphene. <i>Carbon</i> , 2020 , 159, 668-685	10.4	16
80	Plasma parameters and discharge characteristics of lab-based krypton-propelled miniaturized Hall thruster. <i>Plasma Sources Science and Technology</i> , 2019 , 28, 064003	3.5	16
79	Direct current arc plasma thrusters for space applications: basic physics, design and perspectives. <i>Reviews of Modern Plasma Physics</i> , 2019 , 3, 1	5.6	14
78	Effect of titanium surface topography on plasma deposition of antibacterial polymer coatings. <i>Applied Surface Science</i> , 2020 , 521, 146375	6.7	14
77	Non-equilibrium plasma prevention of <i>Schistosoma japonicum</i> transmission. <i>Scientific Reports</i> , 2016 , 6, 35353	4.9	14
76	Metallic biomaterials: types and advanced applications 2014 , 121-147		14

75	Improved fermentation efficiency of <i>S. cerevisiae</i> by changing glycolytic metabolic pathways with plasma agitation. <i>Scientific Reports</i> , 2018 , 8, 8252	4.9	14
74	Continuous flow removal of acid fuchsin by dielectric barrier discharge plasma water bed enhanced by activated carbon adsorption. <i>Frontiers of Chemical Science and Engineering</i> , 2019 , 13, 340-349	4.5	12
73	Plant Secondary Metabolite-Derived Polymers: A Potential Approach to Develop Antimicrobial Films. <i>Polymers</i> , 2018 , 10,	4.5	12
72	Analyzing hysteresis behavior of capacitance-voltage characteristics of IZO/C60/pentacene/Au diodes with a hole-transport electron-blocking polyterpenol layer by electric-field-induced optical second-harmonic generation measurement. <i>Chemical Physics Letters</i> , 2013 , 572, 150-153	2.5	12
71	Effect of Precursor on Antifouling Efficacy of Vertically-Oriented Graphene Nanosheets. <i>Nanomaterials</i> , 2017 , 7,	5.4	12
70	Polymer encapsulation of magnesium to control biodegradability and biocompatibility. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 8087-93	1.3	11
69	Plasma and Polymers: Recent Progress and Trends. <i>Molecules</i> , 2021 , 26,	4.8	11
68	Biodegradable optically transparent terpinen-4-ol thin films for marine antifouling applications. <i>Surface and Coatings Technology</i> , 2018 , 349, 426-433	4.4	11
67	Concept of a Magnetically Enhanced Vacuum Arc Thruster With Controlled Distribution of Ion Flux. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 304-310	1.3	10
66	Miniaturized Plasma Sources: Can Technological Solutions Help Electric Micropropulsion?. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 230-238	1.3	10
65	3D-Printed Multilayered Reinforced Material System for Gas Supply in CubeSats and Small Satellites. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900401	3.5	10
64	The Electrical Properties of Plasma-Deposited Thin Films Derived from Pelargonium graveolens. <i>Electronics (Switzerland)</i> , 2017 , 6, 86	2.6	10
63	Power-to-chemicals: Low-temperature plasma for lignin depolymerisation in ethanol. <i>Bioresource Technology</i> , 2020 , 318, 123917	11	10
62	Effect of Atmospheric-Pressure Plasmas on Drug Resistant Melanoma: The Challenges of Translating In vitro Outcomes into Animal Models. <i>Plasma Medicine</i> , 2016 , 6, 67-83	1.1	10
61	Plasmonic platform based on nanoporous alumina membranes: order control via self-assembly. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9565-9577	13	9
60	Control of radial propagation and polarity in a plasma jet in surrounding Ar. <i>Physics of Plasmas</i> , 2018 , 25, 013505	2.1	9
59	Nanotribological and nanomechanical properties of plasma-polymerized polyterpenol thin films. <i>Journal of Materials Research</i> , 2011 , 26, 2952-2961	2.5	9
58	Plant-derived cis- β -cimene as a precursor for biocompatible, transparent, thermally-stable dielectric and encapsulating layers for organic electronics. <i>Scientific Reports</i> , 2016 , 6, 38571	4.9	9

57	Cosmetic reconstruction in breast cancer patients: Opportunities for nanocomposite materials. <i>Acta Biomaterialia</i> , 2019 , 86, 41-65	10.8	9
56	Facile synthesis of Ag/Zn _{1-x} Cu _x O nanoparticle compound photocatalyst for high-efficiency photocatalytic degradation: Insights into the synergies and antagonisms between Cu and Ag. <i>Ceramics International</i> , 2021 , 47, 48-56	5.1	9
55	Focusing plasma jets to achieve high current density: Feasibility and opportunities for applications in debris removal and space exploration. <i>Aerospace Science and Technology</i> , 2021 , 108, 106343	4.9	9
54	Ultra-low reflective black silicon photovoltaics by high density inductively coupled plasmas. <i>Solar Energy</i> , 2018 , 171, 841-850	6.8	8
53	Solubility and Surface Interactions of RF Plasma Polymerized Polyterpenol Thin Films. <i>Materials Express</i> , 2012 , 2, 285-293	1.3	8
52	PC 12 Pheochromocytoma Cell Response to Super High Frequency Terahertz Radiation from Synchrotron Source. <i>Cancers</i> , 2019 , 11,	6.6	7
51	Hierarchical Doped Gelatin-Derived Carbon Aerogels: Three Levels of Porosity for Advanced Supercapacitors. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
50	Three-Dimensional Hierarchical Wrinkles on Polymer Films: From Chaotic to Ordered Antimicrobial Topographies. <i>Trends in Biotechnology</i> , 2020 , 38, 558-571	15.1	7
49	Tailoring terpenoid plasma polymer properties by controlling the substrate temperature during PECVD. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45771	2.9	7
48	Plasma Treatment of Polymeric Membranes 2019 , 211-240		7
47	Fabrication of Nano-Onion-Structured Graphene Films from Extract and Their Wetting and Sensing Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29594-29604	9.5	6
46	Hall Thrusters With Permanent Magnets: Current Solutions and Perspectives. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 239-251	1.3	6
45	Effect of multi-modal environmental stress on dose-dependent cytotoxicity of nanodiamonds in <i>Saccharomyces cerevisiae</i> cells. <i>Sustainable Materials and Technologies</i> , 2019 , 22, e00123	5.3	6
44	Electrical conduction in plasma polymerized thin films of Terpinene. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	6
43	RF plasma polymerised thin films from natural resources. <i>International Journal of Modern Physics Conference Series</i> , 2014 , 32, 1460319	0.7	6
42	A Study of a Retention of Antimicrobial Activity by Plasma Polymerized Terpinen-4-ol Thin Films. <i>Materials Science Forum</i> , 2010 , 654-656, 2261-2264	0.4	6
41	Exposure to high-frequency electromagnetic field triggers rapid uptake of large nanosphere clusters by pheochromocytoma cells. <i>International Journal of Nanomedicine</i> , 2018 , 13, 8429-8442	7.3	6
40	Multifunctional oil-produced reduced graphene oxide - Silver oxide composites with photocatalytic, antioxidant, and antibacterial activities. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 294-305	9.3	6

39	Electrically Insulating Plasma Polymer/ZnO Composite Films. <i>Materials</i> , 2019 , 12,	3.5	5
38	Surface modification of biomaterials for biofilm control 2015 , 103-132		5
37	Pulse Plasma Deposition of Terpinen-4-ol: An Insight into Polymerization Mechanism and Enhanced Antibacterial Response of Developed Thin Films. <i>Plasma Chemistry and Plasma Processing</i> , 2020 , 40, 339-355	3.6	5
36	Growth of rGO nanostructures via facile wick and oil flame synthesis for environmental remediation. <i>Carbon Letters</i> , 2021 , 31, 763	2.3	5
35	Plasma meets metamaterials: Three ways to advance space micropropulsion systems. <i>Advances in Physics: X</i> , 2021 , 6, 1834452	5.1	5
34	Radial constraints and the polarity mechanism of plasma plume. <i>Physics of Plasmas</i> , 2018 , 25, 103510	2.1	5
33	Plasma Polymerization: Electronics and Biomedical Application 2017 , 593-657		4
32	Fabrication and Characterization of RF Plasma Polymerized Thin Films from 3,7-Dimethyl-1,6-octadien-3-ol for Electronic and Biomaterial Applications. <i>Advanced Materials Research</i> , 2010 , 123-125, 323-326	0.5	4
31	Functional nanomaterials, synergisms, and biomimicry for environmentally benign marine antifouling technology. <i>Materials Horizons</i> , 2021 , 8, 3201-3238	14.4	4
30	Additive manufacturing enables personalised porous high-density polyethylene surgical implant manufacturing with improved tissue and vascular ingrowth. <i>Applied Materials Today</i> , 2021 , 22, 100965	6.6	4
29	Optimization, Test and Diagnostics of Miniaturized Hall Thrusters. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	4
28	Organic bioelectronic plasma polymerised polyterpenol thin films: preservation of properties relevant to biomedical and organic electronic applications following exposure to sterilising doses of gamma radiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 801-812	2.1	4
27	NiFe ₂ O ₄ / rGO nanocomposites produced by soft bubble assembly for energy storage and environmental remediation. <i>Renewable Energy</i> , 2021 , 181, 1386-1386	8.1	4
26	RF Plasma Polymerization of Orange Oil and Characterization of the Polymer Thin Films. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 2925-2933	4.5	3
25	Low-Temperature Synthesis of Graphene by ICP-Assisted Amorphous Carbon Sputtering. <i>ChemistrySelect</i> , 2018 , 3, 8779-8785	1.8	3
24	Ion irradiation as a tool for modifying the surface and optical properties of plasma polymerised thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 360, 54-59	1.2	3
23	Miniaturized rotating magnetic field-driven plasma system: proof-of-concept experiments. <i>Plasma Sources Science and Technology</i> , 2021 , 30, 065003	3.5	3
22	Hydrophilicity and Hydrophobicity Control of Plasma-Treated Surfaces via Fractal Parameters. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100724	4.6	3

21	Biowaste valorization by conversion to nanokeratin-urea composite fertilizers for sustainable and controllable nutrient release. <i>Carbon Trends</i> , 2021 , 5, 100083	0	3
20	Formation of nanocrystalline and amorphous carbon by high fluence swift heavy ion irradiation of a plasma polymerized polyterpenol thin film precursor. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46498	2.9	2
19	Introduction to biomaterials and implantable device design 2014 , 1-31		2
18	Complex permittivity measurements of RF plasma polymerized polyterpenol organic thin films employing split post dielectric resonator. <i>Journal of Polymer Engineering</i> , 2011 , 31,	1.4	2
17	Effect of Iodine Doping on Surface and Optical Properties of Polyterpenol Thin Films. <i>Materials Science Forum</i> , 2010 , 654-656, 1764-1767	0.4	2
16	Mars Colonization: Beyond Getting There 2021 , 73-98		2
15	Plasma-Assisted Fabrication and Processing of Biomaterials 2016 , 91-124		2
14	Highly tunable electronic properties in plasma-synthesized B-doped microcrystalline-to-amorphous silicon nanostructure for solar cell applications. <i>Journal of Applied Physics</i> , 2017 , 122, 133112	2.5	1
13	In-Situ Surface Modification of Terpinen-4-ol Plasma Polymers for Increased Antibacterial Activity. <i>Materials</i> , 2020 , 13,	3.5	1
12	Inelastic deformation of plasma polymerised thin films facilitated by transient dense plasma focus irradiation. <i>Materials Research Express</i> , 2017 , 4, 096407	1.7	1
11	Effect of organic gate dielectric material properties on interfacial charging and discharging of pentacene MIM device. <i>Physics Procedia</i> , 2011 , 14, 62-66		1
10	Bactericidal vertically aligned graphene networks derived from renewable precursor. <i>Carbon Trends</i> , 2022 , 7, 100157	0	1
9	Cytotoxic Effects and Biocompatibility of Antimicrobial Materials 2015 , 113-147		1
8	Comparative Study of Natural Terpenoid Precursors in Reactive Plasmas for Thin Film Deposition. <i>Molecules</i> , 2021 , 26,	4.8	1
7	Hydrophilicity and Hydrophobicity Control of Plasma-Treated Surfaces via Fractal Parameters (Adv. Mater. Interfaces 19/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170104	4.6	0
6	Translocation of silica nanospheres through giant unilamellar vesicles (GUVs) induced by a high frequency electromagnetic field.. <i>RSC Advances</i> , 2021 , 11, 31408-31420	3.7	0
5	Advanced Concepts and Architectures for Plasma-Enabled Material Processing 2020 , 5, 1-90		
4	Metamaterials: Hierarchical Multicomponent Inorganic Metamaterials: Intrinsically Driven Self-Assembly at the Nanoscale (Adv. Mater. 2/2018). <i>Advanced Materials</i> , 2018 , 30, 1870009	24	

- 3 Chemo-Radiative Stress of Plasma as a Modulator of Charge-Dependent Nanodiamond Cytotoxicity.. *ACS Applied Bio Materials*, **2020**, 3, 7202-7210 4.1
- 2 3D-Printed Multilayered Reinforced Material System for Gas Supply in CubeSats and Small Satellites. *Advanced Engineering Materials*, **2019**, 21, 1970036 3.5
- 1 Materials for Space Technology: Advanced Materials for Next-Generation Spacecraft (Adv. Mater. 50/2018). *Advanced Materials*, **2018**, 30, 1870386 24