

# Michael Keidar

## List of Publications by Year in descending order

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175  
papers

8,482  
citations

43973

48  
h-index

49773

87  
g-index

179  
all docs

179  
docs citations

179  
times ranked

3805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold plasma selectivity and the possibility of a paradigm shift in cancer therapy. British Journal of Cancer, 2011, 105, 1295-1301.	2.9	637
2	Cold atmospheric plasma in cancer therapy. Physics of Plasmas, 2013, 20, .	0.7	396
3	Cold atmospheric plasma, a novel promising anti-cancer treatment modality. Oncotarget, 2017, 8, 15977-15995.	0.8	393
4	Plasma for cancer treatment. Plasma Sources Science and Technology, 2015, 24, 033001.	1.3	331
5	Living tissue under treatment of cold plasma atmospheric jet. Applied Physics Letters, 2008, 93, .	1.5	264
6	Perspective: The physics, diagnostics, and applications of atmospheric pressure low temperature plasma sources used in plasma medicine. Journal of Applied Physics, 2017, 122, .	1.1	226
7	Principles of using Cold Atmospheric Plasma Stimulated Media for Cancer Treatment. Scientific Reports, 2015, 5, 18339.	1.6	204
8	Targeting the cancer cell cycle by cold atmospheric plasma. Scientific Reports, 2012, 2, 636.	1.6	200
9	Recent progress and perspectives of space electric propulsion systems based on smart nanomaterials. Nature Communications, 2018, 9, 879.	5.8	182
10	2D expansion of the low-density interelectrode vacuum arc plasma jet in an axial magnetic field. Journal Physics D: Applied Physics, 1996, 29, 1973-1983.	1.3	170
11	Cold Atmospheric Plasma for Selectively Ablating Metastatic Breast Cancer Cells. PLoS ONE, 2013, 8, e73741.	1.1	170
12	Toward understanding the selective anticancer capacity of cold atmospheric plasma—A model based on aquaporins (Review). Biointerphases, 2015, 10, 040801.	0.6	168
13	Plasma flow and plasma—wall transition in Hall thruster channel. Physics of Plasmas, 2001, 8, 5315-5322.	0.7	163
14	The Effect of Tuning Cold Plasma Composition on Glioblastoma Cell Viability. PLoS ONE, 2014, 9, e98652.	1.1	155
15	Plasmas for Treating Cancer: Opportunities for Adaptive and Self-Adaptive Approaches. Trends in Biotechnology, 2018, 36, 586-593.	4.9	131
16	Electric propulsion for small satellites. Plasma Physics and Controlled Fusion, 2015, 57, 014005.	0.9	129
17	Electron-wall interaction in Hall thrusters. Physics of Plasmas, 2005, 12, 057104.	0.7	114
18	Explore space using swarms of tiny satellites. Nature, 2018, 562, 185-187.	13.7	111

#	ARTICLE	IF	CITATIONS
19	Stabilizing the cold plasma-stimulated medium by regulating medium's composition. Scientific Reports, 2016, 6, 26016.	1.6	105
20	Temporal behavior of cold atmospheric plasma jet. Applied Physics Letters, 2009, 94, .	1.5	104
21	A Novel Micro Cold Atmospheric Plasma Device for Glioblastoma Both In Vitro and In Vivo. Cancers, 2017, 9, 61.	1.7	103
22	Transcutaneous plasma stress: From soft-matter models to living tissues. Materials Science and Engineering Reports, 2019, 138, 36-59.	14.8	101
23	Cold atmospheric plasma for the ablative treatment of neuroblastoma. Journal of Pediatric Surgery, 2013, 48, 67-73.	0.8	100
24	Scalable graphene production: perspectives and challenges of plasma applications. Nanoscale, 2016, 8, 10511-10527.	2.8	97
25	Controlling plasma stimulated media in cancer treatment application. Applied Physics Letters, 2014, 105, .	1.5	90
26	Physics of $E \times B$ discharges relevant to plasma propulsion and similar technologies. Physics of Plasmas, 2020, 27, .	0.7	89
27	Temporary-resolved measurement of electron density in small atmospheric plasmas. Applied Physics Letters, 2010, 96, .	1.5	88
28	The Specific Vulnerabilities of Cancer Cells to the Cold Atmospheric Plasma-Stimulated Solutions. Scientific Reports, 2017, 7, 4479.	1.6	83
29	Cold atmospheric plasma and iron oxide-based magnetic nanoparticles for synergetic lung cancer therapy. Free Radical Biology and Medicine, 2019, 130, 71-81.	1.3	83
30	The role of aquaporins in the anti-glioblastoma capacity of the cold plasma-stimulated medium. Journal Physics D: Applied Physics, 2017, 50, 055401.	1.3	77
31	Electrical discharge in the Teflon cavity of a coaxial pulsed plasma thruster. IEEE Transactions on Plasma Science, 2000, 28, 376-385.	0.6	76
32	Electron transport phenomena in plasma devices with $E \times B$ drift. IEEE Transactions on Plasma Science, 2006, 34, 804-814.	0.6	74
33	Use of cold atmospheric plasma in the treatment of cancer. Biointerphases, 2015, 10, 029403.	0.6	73
34	Plasma under control: Advanced solutions and perspectives for plasma flux management in material treatment and nanosynthesis. Applied Physics Reviews, 2017, 4, .	5.5	72
35	Vaporization of heated materials into discharge plasmas. Journal of Applied Physics, 2001, 89, 3095-3098.	1.1	70
36	Plasma-Treated Solutions (PTS) in Cancer Therapy. Cancers, 2021, 13, 1737.	1.7	70

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37	Measurements of streamer head potential and conductivity of streamer column in cold nonequilibrium atmospheric plasmas. <i>Plasma Sources Science and Technology</i> , 2012, 21, 034006.	1.3	67
38	Adaptation of Operational Parameters of Cold Atmospheric Plasma for in Vitro Treatment of Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9269-9279.	4.0	67
39	The Cell Activation Phenomena in the Cold Atmospheric Plasma Cancer Treatment. <i>Scientific Reports</i> , 2018, 8, 15418.	1.6	67
40	Low-Temperature Plasma for Biology, Hygiene, and Medicine: Perspective and Roadmap. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 127-157.	2.7	64
41	Characterization of carbon nanotubes produced by arc discharge: Effect of the background pressure. <i>Journal of Applied Physics</i> , 2004, 95, 2749-2754.	1.1	63
42	Low-temperature plasmas in carbon nanostructure synthesis. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, .	0.6	63
43	Differential Effects of Cold Atmospheric Plasma in the Treatment of Malignant Glioma. <i>PLoS ONE</i> , 2015, 10, e0126313.	1.1	63
44	A prospectus on innovations in the plasma treatment of cancer. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	61
45	Sheath and presheath structure in the plasma wall transition layer in an oblique magnetic field. <i>Physics of Plasmas</i> , 1998, 5, 1545-1553.	0.7	56
46	The Strong Cell-based Hydrogen Peroxide Generation Triggered by Cold Atmospheric Plasma. <i>Scientific Reports</i> , 2017, 7, 10831.	1.6	56
47	Numerical simulation of carbon arc discharge for nanoparticle synthesis. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	53
48	Effects of cold atmospheric plasma generated in deionized water in cell cancer therapy. <i>Plasma Processes and Polymers</i> , 2016, 13, 1151-1156.	1.6	49
49	Nonstationary macroparticle charging in an arc plasma jet. <i>IEEE Transactions on Plasma Science</i> , 1995, 23, 902-908.	0.6	47
50	Cold atmospheric plasma discharged in water and its potential use in cancer therapy. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 015208.	1.3	47
51	A Physically Triggered Cell Death via Transbarrier Cold Atmospheric Plasma Cancer Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34548-34563.	4.0	47
52	Model of a Diffuse Column Vacuum Arc With Cathode Jets Burning in Parallel With a High-Current Plasma Column. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 783-791.	0.6	46
53	A map of control for cold atmospheric plasma jets: From physical mechanisms to optimizations. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	46
54	The Application of the Cold Atmospheric Plasma-Activated Solutions in Cancer Treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 769-775.	0.9	45

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55	Ion current distribution on a substrate during nanostructure formation. Journal Physics D: Applied Physics, 2004, 37, 1690-1695.	1.3	43
56	Modeling of a high-power thruster with anode layer. Physics of Plasmas, 2004, 11, 1715-1722.	0.7	42
57	In vitro Demonstration of Cancer Inhibiting Properties from Stratified Self-Organized Plasma-Liquid Interface. Scientific Reports, 2017, 7, 12163.	1.6	42
58	Transport of macroparticles in magnetized plasma ducts. IEEE Transactions on Plasma Science, 1996, 24, 226-234.	0.6	39
59	Modeling of the Anodic Arc Discharge and Conditions for Single-Wall Carbon Nanotube Growth. Journal of Nanoscience and Nanotechnology, 2006, 6, 1309-1314.	0.9	39
60	Performance Characteristics of Micro-cathode Arc Thruster. Journal of Propulsion and Power, 2014, 30, 29-34.	1.3	39
61	Combination therapy of cold atmospheric plasma (CAP) with temozolomide in the treatment of U87MG glioblastoma cells. Scientific Reports, 2020, 10, 16495.	1.6	39
62	Micro-propulsion based on vacuum arcs. Journal of Applied Physics, 2019, 125, .	1.1	38
63	Cold atmospheric plasma cancer treatment, direct <i>versus</i> indirect approaches. Materials Advances, 2020, 1, 1494-1505.	2.6	37
64	Cold Atmospheric Plasma Inhibits HIV-1 Replication in Macrophages by Targeting Both the Virus and the Cells. PLoS ONE, 2016, 11, e0165322.	1.1	36
65	Voltage of the vacuum arc with a ring anode in an axial magnetic field. IEEE Transactions on Plasma Science, 1997, 25, 580-585.	0.6	35
66	Treatment of gastric cancer cells with nonthermal atmospheric plasma generated in water. Biointerphases, 2016, 11, 031010.	0.6	31
67	On the effect of an axial magnetic field on the high-current vacuum arc. IEEE Transactions on Plasma Science, 2000, 28, 347-350.	0.6	30
68	Optimization of discharge triggering in micro-cathode vacuum arc thruster for CubeSats. Plasma Sources Science and Technology, 2018, 27, 074001.	1.3	30
69	Cold atmospheric helium plasma jet in humid air environment. Journal of Applied Physics, 2019, 125, .	1.1	30
70	The anti-glioblastoma effect of cold atmospheric plasma treatment: physical pathway v.s. chemical pathway. Scientific Reports, 2020, 10, 11788.	1.6	30
71	Transition mode of the vacuum arc in an axial magnetic field: comparison of experimental results and theory. IEEE Transactions on Plasma Science, 2005, 33, 1527-1531.	0.6	29
72	Modeling of the Plasma-Propellant Interaction. IEEE Transactions on Magnetics, 2007, 43, 313-317.	1.2	28

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73	Application of electrostatic Langmuir probe to atmospheric arc plasmas producing nanostructures. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	28
74	Nanoscaled Metamaterial as an Advanced Heat Pump and Cooling Media. <i>Advanced Materials Technologies</i> , 2016, 1, 1600008.	3.0	28
75	Discharge ignition in the micro-cathode arc thruster. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	28
76	Analysis of Airbreathing Hall-Effect Thrusters. <i>Journal of Propulsion and Power</i> , 2012, 28, 1399-1405.	1.3	27
77	Interaction between a helium atmospheric plasma jet and targets and dynamics of the interface. <i>Plasma Sources Science and Technology</i> , 2019, 28, 115002.	1.3	27
78	Voltage-current characteristics of an anodic arc producing carbon nanotubes. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	26
79	Cold Plasma Accelerates the Uptake of Gold Nanoparticles Into Glioblastoma Cells. <i>Plasma Processes and Polymers</i> , 2015, 12, 1364-1369.	1.6	26
80	Cold atmospheric plasma jet in an axial DC electric field. <i>Physics of Plasmas</i> , 2016, 23, 083529.	0.7	26
81	Introducing adaptive cold atmospheric plasma: The perspective of adaptive cold plasma cancer treatments based on real-time electrochemical impedance spectroscopy. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	26
82	In Vitro and In Vivo Enhancement of Temozolomide Effect in Human Glioblastoma by Non-Invasive Application of Cold Atmospheric Plasma. <i>Cancers</i> , 2021, 13, 4485.	1.7	26
83	Atmospheric Plasma Meets Cell: Plasma Tailoring by Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30621-30630.	4.0	25
84	Ablation Study in a Capillary Sustained Discharge. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 308-312.	1.2	23
85	On the Mechanism of Energy Transfer in the Plasma-Propellant Interaction. <i>Propellants, Explosives, Pyrotechnics</i> , 2007, 32, 385-391.	1.0	23
86	Transition from plasma to space-charge sheath near the electrode in electrical discharges. <i>IEEE Transactions on Plasma Science</i> , 2005, 33, 1481-1486.	0.6	22
87	Micro-Sized Cold Atmospheric Plasma Source for Brain and Breast Cancer Treatment. <i>Plasma Medicine</i> , 2018, 8, 203-215.	0.2	22
88	Integrating cold atmospheric plasma with 3D printed bioactive nanocomposite scaffold for cartilage regeneration. <i>Materials Science and Engineering C</i> , 2020, 111, 110844.	3.8	22
89	Cold Atmospheric Plasma Cancer Treatment, a Critical Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7757.	1.3	22
90	Ion deposition in a crossed E-B field system with vacuum arc plasma sources. <i>Vacuum</i> , 2003, 72, 335-344.	1.6	21

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91	Mathematical modeling and control for cancer treatment with cold atmospheric plasma jet. Journal Physics D: Applied Physics, 2019, 52, 185202.	1.3	21
92	The impact of radicals in cold atmospheric plasma on the structural modification of gap junction: a reactive molecular dynamics study. International Journal of Smart and Nano Materials, 2019, 10, 144-155.	2.0	21
93	Multi-Modal Biological Destruction by Cold Atmospheric Plasma: Capability and Mechanism. Biomedicines, 2021, 9, 1259.	1.4	20
94	Selective Treatment of Pancreatic Cancer Cells by Plasma-Activated Saline Solutions. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 116-120.	2.7	19
95	Plasma-enabled growth of separated, vertically aligned copper-capped carbon nanocones on silicon. Applied Physics Letters, 2010, 97, 151503.	1.5	18
96	Thruster Subsystem for the United States Naval Academy's (USNA) Ballistically Reinforced Communication Satellite (BRICSat-P). Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2016, 14, Pb_157-Pb_163.	0.1	18
97	Multiply charged ion transport in free boundary vacuum arc plasma jet. Journal of Applied Physics, 1998, 84, 5956-5960.	1.1	17
98	Effect of thermal conductivity on the Knudsen layer at ablative surfaces. Journal of Applied Physics, 2008, 103, 034906.	1.1	17
99	Average electron temperature estimation of streamer discharge in ambient air. Review of Scientific Instruments, 2018, 89, 113502.	0.6	17
100	The Correlation Between the Cytotoxicity of Cold Atmospheric Plasma and the Extracellular $H_2O_2$ -Scavenging Rate. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 618-623.	2.7	17
101	The Canady Helios Cold Plasma Scalpel Significantly Decreases Viability in Malignant Solid Tumor Cells in a Dose-Dependent Manner. Plasma, 2018, 1, 177-188.	0.7	17
102	Plasma-chemical synthesis, structure and photoluminescence properties of hybrid graphene nanoflake@BNCO nanowall systems. Journal of Materials Chemistry C, 2016, 4, 9788-9797.	2.7	16
103	Ge/Si Quantum Dot Formation From Non-Uniform Cluster Fluxes. Plasma Processes and Polymers, 2007, 4, 638-647.	1.6	15
104	Treatment of Triple-Negative Breast Cancer Cells with the Canady Cold Plasma Conversion System: Preliminary Results. Plasma, 2018, 1, 218-228.	0.7	15
105	Onset of the magnetized arc and its effect on the momentum of a low-power two-stage pulsed magneto-plasma-dynamic thruster. Physical Review E, 2020, 102, 021203.	0.8	15
106	A comparative study of cold atmospheric plasma treatment, chemical versus physical strategy. Journal Physics D: Applied Physics, 2021, 54, 095207.	1.3	15
107	Preclinical Cold Atmospheric Plasma Cancer Treatment. Cancers, 2022, 14, 3461.	1.7	15
108	Nonequilibrium macroparticle charging in low-density discharge plasmas. IEEE Transactions on Plasma Science, 1997, 25, 346-352.	0.6	14

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109	Fundamentals and Applications of Atmospheric Pressure Plasmas. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	14
110	The cutting mechanism of the electrosurgical scalpel. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025401.	1.3	13
111	Cold plasma-based control of the activation of pancreatic adenocarcinoma cells. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 445202.	1.3	13
112	Sensitization of glioblastoma cells to temozolomide by a helium gas discharge tube. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	13
113	On the selective killing of cold atmospheric plasma cancer treatment: Status and beyond. <i>Plasma Processes and Polymers</i> , 2021, 18, 2100020.	1.6	13
114	Canady Helios Cold Plasma Induces Breast Cancer Cell Death by Oxidation of Histone mRNA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9578.	1.8	13
115	Analysis of ionization in air-breathing plasma thruster. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	13
116	Cold Atmospheric Plasma as a Novel Therapeutic Tool for the Treatment of Brain Cancer. <i>Current Pharmaceutical Design</i> , 2020, 26, 2195-2206.	0.9	13
117	Improving Seed Germination by Cold Atmospheric Plasma. <i>Plasma</i> , 2022, 5, 98-110.	0.7	13
118	Therapeutic Approaches Based on Plasmas and Nanoparticles. <i>Journal of Nanomedicine Research</i> , 2016, 3, .	1.8	12
119	Self-Adaptive Plasma Chemistry and Intelligent Plasma Medicine. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100112.	3.3	12
120	Self-organized graphene-like boron nitride containing nanoflakes on copper by low-temperature N <sub>2</sub> + H <sub>2</sub> plasma. <i>RSC Advances</i> , 2016, 6, 87607-87615.	1.7	11
121	The activation of cancer cells by a nanosecond-pulsed magnetic field generator. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 125401.	1.3	11
122	Cold Plasma Discharge Tube Enhances Antitumoral Efficacy of Temozolomide. <i>ACS Applied Bio Materials</i> , 2022, 5, 1610-1623.	2.3	11
123	Hall Thrusters With Permanent Magnets: Current Solutions and Perspectives. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 239-251.	0.6	10
124	A New Cold Plasma Jet: Performance Evaluation of Cold Plasma, Hybrid Plasma and Argon Plasma Coagulation. <i>Plasma</i> , 2018, 1, 189-200.	0.7	10
125	Universality of Micromolar-Level Cell-Based Hydrogen Peroxide Generation during Direct Cold Atmospheric Plasma Treatment. <i>Plasma Medicine</i> , 2018, 8, 335-343.	0.2	9
126	Canady cold plasma conversion system treatment: An effective inhibitor of cell viability in breast cancer molecular subtypes. <i>Clinical Plasma Medicine</i> , 2020, 19-20, 100109.	3.2	9



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127	BCL2A1 regulates Canady Helios Cold Plasma-induced cell death in triple-negative breast cancer. <i>Scientific Reports</i> , 2022, 12, 4038.	1.6	9
128	Electron transport across magnetic field in low-temperature plasmas: An alternative approach for obtaining evidence of Bohm mechanism. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1140-1143.	0.9	8
129	Discharge characteristics of two-stage micro-cathode arc MPD thrusters with a permanent magnet and a pulsed magnetic field. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 015201.	1.3	8
130	Cold Plasma with Immunomodulatory Properties Has Significant Anti-Lymphoma Activities in Vitro and In Vivo. <i>Blood</i> , 2019, 134, 5307-5307.	0.6	8
131	Model for the Transition to the Diffuse Column Vacuum Arc Based on an Arc Voltage Criteria. , 2006, , .		7
132	Theoretical study of plasma expansion and electrical characteristics in the high-current vacuum arc. , O, , .		6
133	Unipolar arc behavior in high-frequency fields. <i>IEEE Transactions on Plasma Science</i> , 2003, 31, 137-141.	0.6	6
134	Visualization of ion flux neutralization effect on electrical field and atom density distribution in Hall thruster channel. <i>IEEE Transactions on Plasma Science</i> , 2005, 33, 526-527.	0.6	6
135	Theranostic Potential of Adaptive Cold Atmospheric Plasma with Temozolomide to Checkmate Glioblastoma: An In Vitro Study. <i>Cancers</i> , 2022, 14, 3116.	1.7	6
136	Graphene and Carbon Nanotubes From Arc Plasmas: Experiment and Plasma Modeling. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 2798-2799.	0.6	5
137	Deflection of Streamer Path in DC Electric Potential. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2402-2403.	0.6	5
138	Guidelines for Using 3-Nitro-L-Tyrosine as an Antidegradation Reagent of H2O2 in the Cold Atmospheric Plasma-Stimulated Solutions. <i>Plasma Medicine</i> , 2018, 8, 121-129.	0.2	5
139	Continuous-wave plasma-generated electric field in 3D collagen gel during cold atmospheric plasma treatment. <i>Plasma Processes and Polymers</i> , 2019, 16, 1900129.	1.6	5
140	Anti-Melanoma Capability of Contactless Cold Atmospheric Plasma Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11728.	1.8	5
141	Artificial Intelligence without Digital Computers: Programming Matter at a Molecular Scale. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	5
142	<i>Plasma Medicine</i> . , 2013, , 359-413.		4
143	Energy considerations regarding pulsed arc production of nanomaterials. <i>Journal of Applied Physics</i> , 2020, 128, 033303.	1.1	4
144	Comparative Study of Cancer Treatment Potential Effects of Tumor-Treating Fields and Cold Atmospheric Plasma. <i>Plasma Medicine</i> , 2020, 10, 45-59.	0.2	4

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145	Non-thermal plasma multi-jet platform based on a flexible matrix. Review of Scientific Instruments, 2021, 92, 083505.	0.6	4
146	Canady Cold Helios Plasma Reduces Soft Tissue Sarcoma Viability by Inhibiting Proliferation, Disrupting Cell Cycle, and Inducing Apoptosis: A Preliminary Report. Molecules, 2022, 27, 4168.	1.7	4
147	Reinforcement Learning With Safe Exploration for Adaptive Plasma Cancer Treatment. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 482-492.	2.7	3
148	Transition mode of the vacuum arc in an axial magnetic field: comparison of experimental results and theory. , 0, , .		2
149	Introduction: Plasma for Cancer Therapy. Springer Series on Atomic, Optical, and Plasma Physics, 2020, , 1-13.	0.1	2
150	Adaptive Plasma and Machine Learning. Springer Series on Atomic, Optical, and Plasma Physics, 2020, , 223-250.	0.1	2
151	Model for deformation of cells from external electric fields at or near resonant frequencies. Biomedical Physics and Engineering Express, 2020, 6, 065022.	0.6	2
152	Vacuum are plasma jets and their applications. , 0, , .		1
153	Ablation and Plasma Formation Due to Laser Irradiance. , 2007, , .		1
154	Guest Editorial Introduction to the Special Issue on Plasma Propulsion. IEEE Transactions on Plasma Science, 2015, 43, 2-4.	0.6	1
155	Guest Editorial Special Issue on Micropropulsion and Cubesats. IEEE Transactions on Plasma Science, 2018, 46, 210-213.	0.6	1
156	Effect of Plasma Ignition Delay on Ion Velocities in a Two-Stage MPD Thruster With Pulsing Magnetic Field. , 2021, , .		1
157	Current Understanding of Mechanisms in Plasma Cancer Therapy and Recent Advances in Technology. Springer Series on Atomic, Optical, and Plasma Physics, 2020, , 271-287.	0.1	1
158	Quasi-steady testing approach for high-power Hall thrusters. Journal of Applied Physics, 2021, 130, .	1.1	1
159	Controlling the breakdown delay time in pulsed gas discharge. Plasma Sources Science and Technology, 2022, 31, 03LT01.	1.3	1
160	The Granger Causal Effects of Canady Helios Cold Plasma on the Inhibition of Breast Cancer Cell Proliferation. Applied Sciences (Switzerland), 2022, 12, 4622.	1.3	1
161	Unipolar arcs in high frequency field. , 0, , .		0
162	Vacuum arc plasma jets and their applications. , 0, , .		0

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163	Plasma flow in high-power thruster with anode layer. , 0, , .		0
164	Study of the anodic arc discharge for carbon nanotube synthesis. , 0, , .		0
165	The model and numerical simulation of shunting arc ignition. , 0, , .		0
166	Transition from plasma to space-charge sheath near the electrode in electrical discharges. , 0, , .		0
167	Interaction of atmospheric plasma jet with living tissue. , 2009, , .		0
168	Plasma rotation in a Micro-Vacuum Arc Thruster. , 2010, , .		0
169	Biomedical applications and Rayleigh microwave diagnostic of atmospheric plasma jet. , 2010, , .		0
170	Electrical parameters of the streamers of the nonequilibrium atmospheric plasma jets. , 2012, , .		0
171	Laboratory modeling of hypersonic flight conditions. , 2013, , .		0
172	Terminator Double Layer Explorer (TerDLE): Examining the Near-Moon Lunar Wake. Planetary Science Journal, 2021, 2, 61.	1.5	0
173	Combination drug delivery using cold atmospheric plasma technology. , 2021, , 393-423.		0
174	The Periodic Cellular Behaviors Under the Physical Effects of Plasma Medicine. , 2021, , .		0
175	Effect of The Distance Between the First and Second Stages on the Performance of the Micro-Cathode Arc Thruster with Mpd Second Stage. , 2022, , .		0