James C Lin

List of Publications by Year
in descending order

103 papers	1,890 citations	361045 20 h-index	329751 37 g-index
114 all docs	114 docs citations	114 times ranked	709 citing authors

#	Article	IF	Citations
1	Microwave sensing of physiological movement and volume change: A review. Bioelectromagnetics, 1992, 13, 557-565.	0.9	265
2	Biological Effects and Health Implications of Radiofrequency Radiation. , 1987, , .		127
3	MICROWAVE-INDUCED ACOUSTIC EFFECTS IN MAMMALIAN AUDITORY SYSTEMS AND PHYSICAL MATERIALS. Annals of the New York Academy of Sciences, 1975, 247, 194-218.	1.8	122
4	Interstitial microwave antennas for thermal therapy. International Journal of Hyperthermia, 1987, 3, 37-47.	1.1	92
5	Microwave Hyperthermia-Induced Blood-Brain Barrier Alterations. Radiation Research, 1982, 89, 77.	0.7	78
6	Microwave-induced changes in nerve cells: Effects of modulation and temperature. Bioelectromagnetics, 1985, 6, 257-270.	0.9	65
7	THE OCULAR EFFECTS OF MICROWAVES ON HYPOTHERMIC RABBITS: A STUDY OF MICROWAVE CATARACTOGENIC MECHANISMS. Annals of the New York Academy of Sciences, 1975, 247, 155-165.	1.8	55
8	A Microcprocessor-Based Noninvasive Arterial Pulse Wave Analyzer. IEEE Transactions on Biomedical Engineering, 1985, BME-32, 451-455.	2.5	48
9	Acoustical imaging of a model of a human hand using pulsed microwave irradiation. Bioelectromagnetics, 1983, 4, 397-400.	0.9	47
10	Microwave thermoelastic tissue imaging - System design. IEEE Transactions on Microwave Theory and Techniques, 1984, 32, 854-860.	2.9	46
11	Studies on microwave and blood-brain barrier interaction. Bioelectromagnetics, 1980, 1, 313-323.	0.9	42
12	HEARING OF MICROWAVE PULSES BY HUMANS AND ANIMALS: EFFECTS, MECHANISM, AND THRESHOLDS. Health Physics, 2007, 92, 621-628.	0.3	41
13	Cerebrovascular permeability to86Rb in the rat after exposure to pulsed microwaves. Bioelectromagnetics, 1984, 5, 323-330.	0.9	37
14	Studies on microwaves in medicine and biology: From snails to humans. Bioelectromagnetics, 2004, 25, 146-159.	0.9	34
15	Interaction of ethanol and microwaves on the blood-brain barrier of rats. Bioelectromagnetics, 1986, 7, 405-414.	0.9	30
16	Catheter microwave ablation therapy for cardiac arrhythmias. Bioelectromagnetics, 1999, 20, 120-132.	0.9	30
17	Microwave Selective Brain Heating[*]. The Journal of Microwave Power, 1973, 8, 276-286.	0.1	28
18	Microwave ablation of the atrioventricular junction in open-chest dogs. Bioelectromagnetics, 1995, 16, 97-105.	0.9	28

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19	Microwave Auditory Effectâ€"A Comparison of Some Possible Transduction Mechanisms. The Journal of Microwave Power, 1976, 11, 77-81.	0.1	26
20	Microwave Properties of Fresh Mammalian Brain Tissues at Body Temperature. IEEE Transactions on Biomedical Engineering, 1975, BME-22, 74-76.	2.5	24
21	Biological aspects of mobile communication fields. Wireless Networks, 1997, 3, 439-453.	2.0	23
22	Microwave-Induced Pressure Waves in Mammalian Brains. IEEE Transactions on Biomedical Engineering, 1983, BME-30, 289-294.	2.5	22
23	Microwave-induced thermoelastic pressure wave propagation in the cat brain. Bioelectromagnetics, 1988, 9, 141-147.	0.9	21
24	Enhancement of anticancer drug delivery to the brain by microwave induced hyperthermia. Bioelectrochemistry, 1998, 47, 259-264.	1.0	21
25	A catheter antenna for percutaneous microwave therapy. Microwave and Optical Technology Letters, 1995, 8, 70-72.	0.9	19
26	Electromagnetic Pulse Interaction with Mammalian Cranial Structures. IEEE Transactions on Biomedical Engineering, 1976, BME-23, 61-65.	2.5	18
27	Interaction of Electromagnetic Transient Radiation with Biological Materials. IEEE Transactions on Electromagnetic Compatibility, 1975, EMC-17, 93-97.	1.4	17
28	Theoretical calculation of frequencies and thresholds of microwaveâ€induced auditory signals. Radio Science, 1977, 12, 237-242.	0.8	17
29	Electrophysiological Effects of Electromagnetic Fields on Animals. , 1975, , 167-211.		17
30	Doppler Microwave. Investigative Radiology, 1987, 22, 569-573.	3.5	16
31	Analysis of Adult and Child Exposure to Uniform Plane Waves at Mobile Communication Systems Frequencies (900 MHzâ€"3 GHz). IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 38-47.	1.4	16
32	Pulsed Radiofrequency Field Effects in Biological Systems. , 1989, , 165-177.		16
33	The Microwave Auditory Effect. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 16-28.	2.3	15
34	ACOUSTIC PRESSURE WAVES INDUCED IN HUMAN HEADS BY RF PULSES FROM HIGH-FIELD MRI SCANNERS. Health Physics, 2010, 98, 603-613.	0.3	14
35	Importance of Exposure Duration and Metrics on Correlation Between RF Energy Absorption and Temperature Increase in a Human Model. IEEE Transactions on Biomedical Engineering, 2019, 66, 2253-2258.	2.5	14
36	Interaction of Two Cross-Polarized Electromagnetic Waves with Mammalian Cranial Structures. IEEE Transactions on Biomedical Engineering, 1976, BME-23, 371-375.	2.5	13

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37	Estimation and Verification of a Stochastic Neuron Model. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 654-666.	2.5	13
38	The effect of pulsed microwaves on passive electrical properties and interspike intervals of snail neurons. Bioelectromagnetics, 1993, 14, 503-520.	0.9	13
39	Microwave Thermoelastic Tomography and Imaging. , 2005, , 41-76.		13
40	DOSIMETRIC COMPARISON BETWEEN DIFFERENT QUANTITIES FOR LIMITING EXPOSURE IN THE RF BAND: RATIONALE AND IMPLICATIONS FOR GUIDELINES. Health Physics, 2007, 92, 547-553.	0.3	13
41	Cancer Occurrences in Laboratory Rats From Exposure to RF and Microwave Radiation. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2017, 1, 2-13.	2.3	13
42	Strange Reports of Weaponized Sound in Cuba [Health Matters]. IEEE Microwave Magazine, 2018, 19, 18-19.	0.7	13
43	Clear Evidence of Cell Phone RF Radiation Cancer Risk [Health Matters]. IEEE Microwave Magazine, 2018, 19, 16-24.	0.7	13
44	Safety of Wireless Power Transfer. IEEE Access, 2021, 9, 125342-125347.	2.6	13
45	Effects of repeated exposure to 148â€MHz radio waves on growth and hematology of mice. Radio Science, 1979, 14, 173-179.	0.8	12
46	Catheter microwave ablation therapy for cardiac arrhythmias. Bioelectromagnetics, 1999, 20, 120-132.	0.9	12
47	Perturbation Effect of Animal Restraining Materials on Microwave Exposure. IEEE Transactions on Biomedical Engineering, 1977, BME-24, 80-83.	2.5	9
48	Microwave Sensing of Increased Intracranial Water Content. Investigative Radiology, 1983, 18, 245-248.	3.5	9
49	Sonic Health Attacks by Pulsed Microwaves in Havana Revisited [Health Matters]. IEEE Microwave Magazine, 2021, 22, 71-73.	0.7	9
50	Biomedical Applications of Electromagnetic Engineering. , 2004, , 605-629.		9
51	Thermoelastic Signatures of Tissue Phantom Absorption and Thermal Expansion. IEEE Transactions on Biomedical Engineering, 1987, BME-34, 179-182.	2.5	8
52	Partial-Body SAR Calculations in Magnetic-Resonance Image (MRI) Scanning Systems [Telecommunications Health and Safety]. IEEE Antennas and Propagation Magazine, 2012, 54, 230-237.	1.2	8
53	Comparison of measured and predicted characteristics of microwaveâ€induced sound. Radio Science, 1982, 17, 159S.	0.8	7
54	SAR and Temperature Distributions in Canonical Head Models Exposed to Near- and Far-Field Electromagnetic Radiation at Different Frequencies. Electromagnetic Biology and Medicine, 2005, 24, 405-421.	0.7	7

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55	Early Contributions to Electromagnetic Fields in Living Systems. Advances in Electromagnetic Fields in Living Systems, 1994, , 1-25.	0.1	7
56	Auditory Effects of Microwave Radiation. , 2021, , .		7
57	Telecommunications health and safety. URSI Radio Science Bulletin, 2017, 2017, 102-103.	0.2	7
58	Temperature-Time Profile in Rats Subjected to Selective Microwave Irradiation of the Brain. IEEE Transactions on Biomedical Engineering, 1981, BME-28, 29-31.	2.5	6
59	Biomedical Applications of Electromagnetic Energy. IEEE Engineering in Medicine and Biology Magazine, 1987, 6, 52-57.	1.1	6
60	Studies on tumor incidence in mice exposed to GSM cell-phone radiation [Health Effects]. IEEE Microwave Magazine, 2008, 9, 48-54.	0.7	6
61	In vitro microwave effects on human neutrophil precursor cells (CFU-C). Bioelectromagnetics, 1981, 2, 203-215.	0.9	5
62	Health aspects of wireless communication. Mobile Computing and Communications Review, 1999, 3, 14-19.	1.7	5
63	Induction Thermocoagulation of the Brain-Quantitation of Absorbed Power. IEEE Transactions on Biomedical Engineering, 1975, BME-22, 542-546.	2.5	4
64	Catheter microwave ablation therapy for cardiac arrhythmias. Bioelectromagnetics, 1999, Suppl 4, 120-32.	0.9	4
65	Health Safety Guidelines and 5G Wireless Radiation [Health Matters]. IEEE Microwave Magazine, 2022, 23, 10-17.	0.7	4
66	Biological Effects of Microwave Radiation. , 1999, , 165-169.		3
67	Writing manuscripts for publication in scientific journals. Bioelectromagnetics, 2011, 32, 1-3.	0.9	3
68	The Significance of Primary Tumors in the NTP Study of Chronic Rat Exposure to Cell Phone Radiation [Health Matters]. IEEE Microwave Magazine, 2019, 20, 18-21.	0.7	3
69	Mechanisms of Electromagnetic Field Coupling into Biological Systems at ELF and RF Frequencies. Advances in Electromagnetic Fields in Living Systems, 2000, , 1-38.	0.1	3
70	Cardiovascular Effects. , 1987, , 451-488.		3
71	Propagation and Absorption in Tissue Media. , 1987, , 137-222.		3
72	The Havana Syndrome and Microwave Weapons [Health Matters]. IEEE Microwave Magazine, 2021, 22, 13-14.	0.7	3

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73	The Microwave Auditory Effect. , 2021, , 127-173.		3
74	Microwave Auditory Effects Among U.S. Government Personnel Reporting Directional Audible and Sensory Phenomena in Havana. IEEE Access, 2022, 10, 44577-44582.	2.6	3
75	Ultrasonic Blood Flow Spectral Analysis Using Coherent Optics. IEEE Transactions on Biomedical Engineering, 1978, BME-25, 243-249.	2.5	2
76	An information channel model of a neuron encoder and possible microwave radiation effects on capacity. IEEE Transactions on Systems, Man, and Cybernetics, 1984, SMC-14, 717-725.	0.9	2
77	Health aspects of wireless communication. Mobile Computing and Communications Review, 2001, 5, 5-7.	1.7	2
78	The Influence of Averaging Schemes and Exposure Duration on the Correlation Between Temperature Elevation and RF Power Absorption Metrics in MRI Scans [Health Matters]. IEEE Microwave Magazine, 2016, 17, 14-22.	0.7	2
79	Exciting Developments for Microwave Sensing and Monitoring in Biology and Medicine [Health Matters]. IEEE Microwave Magazine, 2017, 18, 20-30.	0.7	2
80	Biomedical Applications of Electromagnetic Engineering. , 2006, , 211-233.		2
81	Minimally Invasive Medical Microwave Ablation Technology. , 2003, , 545-562.		2
82	Editor's Note. Bioelectromagnetics, 2008, 29, 662-662.	0.9	1
83	Telecommunications health and safety: US FCC affirms its current safety limits for RF radiation and 5G wireless. URSI Radio Science Bulletin, 2019, 2019, 87-89.	0.2	1
84	Biochemical Effects. , 1987, , 523-537.		1
85	ANSI/IEEE Exposure Standards for Radiofrequency Fields. , 1995, , 31-33.		1
86	Biological Effects of Electromagnetic Fields. , 1995, , 903-916.		1
87	Telecommunications health and safety: The Moscow Embassy microwave signal. URSI Radio Science Bulletin, 2017, 2017, 90-93.	0.2	1
88	Health aspects of wireless communication. Mobile Computing and Communications Review, 2003, 7, 4-7.	1.7	0
89	Bioelectromagnetics Research Activities in Europe [Health Effects]. IEEE Microwave Magazine, 2007, 8, 36-38.	0.7	0
90	Best paper award and OnlineOpen access. Bioelectromagnetics, 2008, 29, 413-413.	0.9	0

#	Article	IF	Citations
91	Most influential bioelectromagnetics journal paper by Citation award. Bioelectromagnetics, 2009, 30, 335-335.	0.9	0
92	The 2012 most influentialBioelectromagneticsjournal paper by citation award. Bioelectromagnetics, 2013, 34, n/a-n/a.	0.9	0
93	The 2014 Most Influential Bioelectromagnetics Journal Paper by Citation Award. Bioelectromagnetics, 2015, 36, 409-409.	0.9	0
94	The 2015 Most Influential Bioelectromagnetics Journal Paper by Citation Award. Bioelectromagnetics, 2016, 37, 281-281.	0.9	0
95	Bloelectromagnetics Research Activities in Europe (Health Effects). IEEE Microwave Magazine, 2007, 8, 36-39.	0.7	0
96	Thermoregulation. , 1987, , 317-360.		0
97	Radio and Microwave Dosimetry and Measurement. , 1987, , 47-91.		0
98	Behavioral Effects. , 1987, , 413-423.		0
99	Neural Effects of Microwave/Radiofrequency Energies. , 1987, , 361-411.		0
100	Neuroendocrine Effects. , 1987, , 425-449.		0
101	Microwave Property of Biological Materials. , 2021, , 73-96.		0
102	Computer Simulation of Pressure Waves in Anatomic Models. , 2021, , 255-297.		0
103	The Bioelectromagnetics Journal. Bioelectromagnetics, 2022, 43, 217-217.	0.9	0