

Brad R Weiner

List of Publications by Year in descending order

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51
papers

1,079
citations

361413

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414414

32
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all docs

51
docs citations

51
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Growth Directly on SiO ₂ /Si by Hot Filament Chemical Vapor Deposition. <i>Nanomaterials</i> , 2022, 12, 109.	4.1	3
2	Magnetic Control of the Manganese Photoluminescence in Fe ₃ O ₄ /ZnS:Mn Nanocomposites. <i>ACS Omega</i> , 2021, 6, 7598-7604.	3.5	6
3	Synthesis, Characterization and Fabrication of Graphene/Boron Nitride Nanosheets Heterostructure Tunneling Devices. <i>Nanomaterials</i> , 2019, 9, 925.	4.1	7
4	A Novel Approach to the Layer-Number-Controlled and Grain-Size-Controlled Growth of High Quality Graphene for Nanoelectronics. <i>ACS Applied Nano Materials</i> , 2018, 1, 1502-1512.	5.0	20
5	A graphene integrated highly transparent resistive switching memory device. <i>APL Materials</i> , 2018, 6, .	5.1	26
6	Synthesis, Optical, and Magnetic Properties of Graphene Quantum Dots and Iron Oxide Nanocomposites. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.8	16
7	Graphene Oxide/ZnS:Mn Nanocomposite Functionalized with Folic Acid as a Nontoxic and Effective Theranostic Platform for Breast Cancer Treatment. <i>Nanomaterials</i> , 2018, 8, 484.	4.1	37
8	T ₁ - and T ₂ -weighted Magnetic Resonance Dual Contrast by Single Core Truncated Cubic Iron Oxide Nanoparticles with Abrupt Cellular Internalization and Immune Evasion. <i>ACS Applied Bio Materials</i> , 2018, 1, 79-89.	4.6	32
9	Grain size-dependent thermal conductivity of polycrystalline twisted bilayer graphene. <i>Carbon</i> , 2017, 117, 367-375.	10.3	38
10	Enhanced MRI T ₂ Relaxivity in Contrast-Probed Anchor-Free PEGylated Iron Oxide Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 312.	5.7	49
11	L-cysteine capped ZnS:Mn quantum dots for room-temperature detection of dopamine with high sensitivity and selectivity. <i>Biosensors and Bioelectronics</i> , 2017, 87, 693-700.	10.1	112
12	Improvement of Specific Capacitance in Lithium Ion Batteries By Mesoporous Carbon Hybrid Nanostructures. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
13	Improving cytotoxicity against cancer cells by chemo-photodynamic combined modalities using silver-graphene quantum dots nanocomposites. <i>International Journal of Nanomedicine</i> , 2016, 11, 107.	6.7	40
14	Novel magneto-luminescent effect in LSMO/ZnS:Mn nanocomposites at near-room temperature. <i>Nanotechnology</i> , 2016, 27, 085703.	2.6	17
15	Study on the optical and electrical properties of tetracyanoethylene doped bilayer graphene stack for transparent conducting electrodes. <i>AIP Advances</i> , 2016, 6, 035319.	1.3	11
16	Synthesis micro-scale boron nitride nanotubes at low substrate temperature. <i>AIP Advances</i> , 2016, 6, 075110.	1.3	6
17	Observation of the C ₂ H radical using (1 + 2) REMPI via the B ¹ _g -X ¹ _g transition. <i>Chemical Physics</i> , 2016, 479, 91-98.	1.9	1
18	Solar-blind field-emission diamond ultraviolet detector. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	38

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19	Unipolar resistive switching in planar Pt/BiFeO ₃ /Pt structure. AIP Advances, 2015, 5, .	1.3	25
20	Biocompatible ZnS:Mn quantum dots for reactive oxygen generation and detection in aqueous media. Journal of Nanoparticle Research, 2015, 17, 461.	1.9	32
21	Oxidized SWCNT chemically attached to a modified copper substrate. Applied Surface Science, 2015, 346, 415-422.	6.1	3
22	Catalytic effect of ultrananocrystalline Fe ₃ O ₄ on algal bio-crude production via HTL process. Nanoscale, 2015, 7, 17664-17671.	5.6	28
23	Large-area bilayer graphene synthesis in the hot filament chemical vapor deposition reactor. Diamond and Related Materials, 2015, 51, 34-38.	3.9	23
24	Binder Free SnO ₂ -CNT Composite as Anode Material for Li-Ion Battery. Journal of Nanotechnology, 2014, 2014, 1-9.	3.4	7
25	New route to the fabrication of nanocrystalline diamond films. Journal of Applied Physics, 2014, 115, 054304.	2.5	5
26	Highly-crystalline ⁶⁵ MnS nanosaws. RSC Advances, 2014, 4, 38103-38110.	3.6	40
27	Luminescent graphene quantum dots fabricated by pulsed laser synthesis. Carbon, 2013, 64, 341-350.	10.3	134
28	Stability of the Mn photoluminescence in bifunctional ZnS:0.05Mn nanoparticles. Journal of Applied Physics, 2013, 114, .	2.5	34
29	Bifunctional Fe ₃ O ₄ /ZnS:Mn composite nanoparticles. Materials Letters, 2013, 98, 108-111.	2.6	28
30	Free standing graphene-diamond hybrid films and their electron emission properties. Journal of Applied Physics, 2011, 110, .	2.5	45
31	Ultraviolet photosensitivity of sulfur-doped micro- and nano-crystalline diamond. Journal of Applied Physics, 2011, 109, .	2.5	9
32	The 193 nm photodissociation of borazine. Chemical Physics Letters, 2011, 509, 108-113.	2.6	1
33	Growth and field emission study of a monolithic carbon nanotube/diamond composite. Carbon, 2010, 48, 3353-3358.	10.3	50
34	Semiconductor-homojunction induction in single-crystal GaN nanostructures under a transverse electric field: Ab initio calculations. Physical Review B, 2010, 81, .	3.2	13
35	Field emission stability and properties of simultaneously grown microcrystalline diamond and carbon nanostructure films. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, 1202-1205.	1.2	5
36	Fabrication and field emission study of novel rod-shaped diamond-like carbon nanostructures. Nanotechnology, 2010, 21, 285301.	2.6	13

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37	Temporal field emission current stability and fluctuations from graphene films. Applied Physics Letters, 2010, 97, .	3.3	20
38	Probing the structural, crystalline, and electrical properties of carbon nanotubes grown on nickel filled carbon nanofibers. Applied Physics Letters, 2009, 95, 061906.	3.3	4
39	Secondary electron emission from nanocomposite carbon films. Journal of Materials Science: Materials in Electronics, 2009, 20, 996-1000.	2.2	0
40	Thermionic emission energy distribution from nanocrystalline diamond films for direct thermal-electrical energy conversion applications. Journal of Applied Physics, 2009, 106, 043716.	2.5	22
41	Detection of SH and CS radicals by cavity ringdown spectroscopy in a hot filament chemical vapor deposition environment. Chemical Physics Letters, 2008, 455, 26-31.	2.6	7
42	Study of the temporal current stability of field-emitted electrons from ultrananocrystalline diamond films. Journal of Applied Physics, 2008, 103, 104315.	2.5	9
43	Chemical model for mid-summer lidar observations of mesospheric potassium over the Arecibo Observatory. Geophysical Research Letters, 2006, 33, .	4.0	9
44	PENNING DISCHARGE PLASMA SOURCE AND ITS APPLICATION TO SYNTHESIS OF NANOSTRUCTURED AlN FILMS. International Journal of Modern Physics B, 2006, 20, 445-454.	2.0	4
45	Effects of a nanocomposite carbon buffer layer on the field emission properties of multiwall carbon nanotubes and nanofibers grown by hot filament chemical vapor deposition. Journal of Vacuum Science & Technology B, 2006, 24, 639.	1.3	14
46	Effects of heavy-ion radiation on the electron field emission properties of sulfur-doped nanocomposite carbon films. Diamond and Related Materials, 2004, 13, 221-225.	3.9	14
47	Parallel Bias-Enhanced Sulfur-Assisted Chemical Vapor Deposition of Nanocrystalline Diamond Films. Materials Research Society Symposia Proceedings, 2003, 775, 9541.	0.1	0
48	Study of the Effects of Heavy-Ion Radiation on Nanocomposite Carbon Films. Materials Research Society Symposia Proceedings, 2003, 777, 881.	0.1	0
49	Gaussian-2 theoretical and direct ab initio molecular dynamics study of the reaction of O(3P) with thiirane, O(3P)+C2H4S(1A1)→SO(3Σ-)+C2H4(1Ag). Physical Chemistry Chemical Physics, 2000, 2, 869-876.	2.8	16
50	Experimental and Theoretical Studies of the Reaction of Al Atoms with OCS and CS2. Journal of Physical Chemistry A, 1997, 101, 9111-9117.	2.5	2
51	Bimolecular Reaction Dynamics of Thiophosgene with O(3P) Atoms. Journal of Physical Chemistry A, 1997, 101, 8587-8592.	2.5	4