

T C Back

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

832
citations

394286

19
h-index

501076

28
g-index

43
all docs

43
docs citations

43
times ranked

1053
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiwalled Carbon Nanotube-Based Biosensor for Monitoring Microcystin-LR in Sources of Drinking Water Supplies. <i>Advanced Functional Materials</i> , 2013, 23, 1807-1816.	7.8	87
2	Electron-Withdrawing Effect of Native Terminal Groups on the Lattice Structure of Ti_3C_2Tx MXenes Studied by Resonance Raman Scattering: Implications for Embedding MXenes in Electronic Composites. <i>ACS Applied Nano Materials</i> , 2019, 2, 6087-6091.	2.4	55
3	Growth, New Growth, and Amplification of Carbon Nanotubes as a Function of Catalyst Composition. <i>Journal of the American Chemical Society</i> , 2008, 130, 7946-7954.	6.6	42
4	Hysteresis during field emission from chemical vapor deposition synthesized carbon nanotube fibers. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	40
5	Morphology dependent field emission of acid-spun carbon nanotube fibers. <i>Nanotechnology</i> , 2015, 26, 105706.	1.3	38
6	Field emission from carbon nanotube fibers in varying anode-cathode gap with the consideration of contact resistance. <i>AIP Advances</i> , 2017, 7, 125203.	0.6	38
7	Modeling micro-porous surfaces for secondary electron emission control to suppress multipactor. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	37
8	Multiscale model of heat dissipation mechanisms during field emission from carbon nanotube fibers. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	36
9	Temperature Comparison of Looped and Vertical Carbon Nanotube Fibers during Field Emission. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1175.	1.3	33
10	Carbon Nanotube Fiber Field Emission Array Cathodes. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 2032-2038.	0.6	33
11	Evidence for adsorbate-enhanced field emission from carbon nanotube fibers. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	30
12	Gaseous product mixture from Fischer-Tropsch synthesis as an efficient carbon feedstock for low temperature CVD growth of carbon nanotube carpets. <i>Nanoscale</i> , 2016, 8, 13476-13487.	2.8	27
13	Field emission from laser cut CNT fibers and films. <i>Journal of Materials Research</i> , 2014, 29, 392-402.	1.2	23
14	Electrical and chemical analysis of Ti/Au contacts to In_2O_3 - Ga_2O_3 . <i>APL Materials</i> , 2021, 9, 061104.	2.2	23
15	Work function characterization of directionally solidified $\text{LaB}_6\text{-VB}_2$ eutectic. <i>Ultramicroscopy</i> , 2017, 183, 67-71.	0.8	22
16	Large-area ultrathin Te films with substrate-tunable orientation. <i>Nanoscale</i> , 2020, 12, 12613-12622.	2.8	22
17	Pulsed-Laser Deposited Transition-Metal Carbides for Field-Emission Cathode Coatings. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9241-9246.	4.0	21
18	Vanadium dioxide phase change thin films produced by thermal oxidation of metallic vanadium. <i>Thin Solid Films</i> , 2020, 707, 138117.	0.8	21

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19	Empirical modeling and Monte Carlo simulation of secondary electron yield reduction of laser drilled microporous gold surfaces. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, .	0.6	19
20	Enhanced charge separation in TiO ₂ /nanocarbon hybrid photocatalysts through coupling with short carbon nanotubes. RSC Advances, 2021, 11, 11702-11713.	1.7	19
21	Magnetic field-induced fabrication of Fe ₃ O ₄ /graphene nanocomposites for enhanced electrode performance in lithium-ion batteries. RSC Advances, 2016, 6, 83117-83125.	1.7	17
22	Angular dependence of secondary electron yield from microporous gold surfaces. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, .	0.6	17
23	Hydrothermal synthesis of carbon nanotube/titania composites for enhanced photocatalytic performance. Journal of Materials Research, 2020, 35, 1451-1460.	1.2	16
24	Analysis of the Electrochemical Oxidation of Multiwalled Carbon Nanotube Tower Electrodes in Sodium Hydroxide. Electroanalysis, 2012, 24, 1501-1508.	1.5	15
25	Defect engineering of graphene using electron-beam chemistry with radiolyzed water. Carbon, 2020, 166, 446-455.	5.4	15
26	A new multiscale approach to rapidly determine the local emission current density of nanoscale metallic field emitters. Journal of Applied Physics, 2021, 130, .	1.1	14
27	Characterization and catalytic behavior of Fischer-Tropsch catalysts derived from different cobalt precursors. Catalysis Today, 2019, 338, 40-51.	2.2	13
28	Bright and Ultrafast Photoelectron Emission from Aligned Single-Wall Carbon Nanotubes through Multiphoton Exciton Resonance. Nano Letters, 2019, 19, 158-164.	4.5	13
29	Strongly anisotropic field emission from highly aligned carbon nanotube films. Journal of Applied Physics, 2021, 129, .	1.1	8
30	Water-assisted, electron-beam induced activation of carbon nanotube catalyst supports for mask-less, resist-free patterning. Carbon, 2018, 135, 270-277.	5.4	6
31	Influence of ultra-low ethylene partial pressure on microstructural and compositional evolution of sputter-deposited Zr-C thin films. Surface and Coatings Technology, 2020, 398, 126053.	2.2	6
32	Processing and thermal properties of mayenite electride. Journal of the American Ceramic Society, 2021, 104, 2238-2249.	1.9	5
33	Electron emission characteristics of wet spun carbon nanotube fibers. AIP Advances, 2019, 9, .	0.6	4
34	Surface relaxation and rumpling of Sn-doped O_3 Physical Review B, 2020, 102, .		
35	Effect of <i>in-situ</i> oxygen on the electronic properties of graphene grown by carbon molecular beam epitaxy. Applied Physics Letters, 2012, 100, .	1.5	3
36	Direct graphene growth on transitional metal with solid carbon source and its converting into graphene/transitional metal oxide heterostructure. Carbon, 2017, 116, 303-309.	5.4	3

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37	A new fit to secondary emission yield in the low impact voltage regime: An improvement of Vaughan's expression. AIP Advances, 2018, 8, 085017.	0.6	3
38	Microstructure of mayenite $12\text{CaO}\cdot 7\text{Al}_2\text{O}_3$ and electron emission characteristics. Journal of the American Ceramic Society, 2021, 104, 5750-5763.	1.9	2
39	Influence of thermal contact resistance on the field emission characteristics of a carbon nanotube. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2022, 40, 042804.	0.6	2
40	Electron-Beam Induced Activation of Catalyst Supports for CNT Growth. Microscopy and Microanalysis, 2017, 23, 1932-1933.	0.2	0
41	A General Empirical Model of Secondary Electron Yield and Its Application in Monte Carlo Simulation of a Microporous Gold Surface. , 2020, , .		0