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List of Publications by Year
in descending order

35 papers	1,474 citations	430442 18 h-index	344852 36 g-index
37 all docs	37 docs citations	37 times ranked	2861 citing authors

#	Article	IF	Citations
1	Towards Ultrathick Battery Electrodes: Aligned Carbon Nanotube â€“ Enabled Architecture. Advanced Materials, 2012, 24, 533-537.	11.1	257
2	Improved fracture toughness of carbon fiber composite functionalized with multi walled carbon nanotubes. Carbon, 2008, 46, 2026-2033.	5.4	203
3	Ultra Strong Silicon-Coated Carbon Nanotube Nonwoven Fabric as a Multifunctional Lithium-Ion Battery Anode. ACS Nano, 2012, 6, 9837-9845.	7.3	161
4	Functionalized Carbon Nanotube Supercapacitor Electrodes: A Review on Pseudocapacitive Materials. ECS Journal of Solid State Science and Technology, 2013, 2, M3170-M3177.	0.9	121
5	Highly Uniform Trilayer Molybdenum Disulfide for Waferâ€Scale Device Fabrication. Advanced Functional Materials, 2014, 24, 6389-6400.	7.8	99
6	Visible and near-infrared radiative properties of vertically aligned multi-walled carbon nanotubes. Nanotechnology, 2009, 20, 215704.	1.3	63
7	Carbon nanotube arrays for photovoltaic applications. Jom, 2007, 59, 39-42.	0.9	58
8	Field-effect transistors based on wafer-scale, highly uniform few-layer p-type WSe₂. Nanoscale, 2016, 8, 2268-2276.	2.8	58
9	Growth time performance dependence of vertically aligned carbon nanotube supercapacitors grown on aluminum substrates. Electrochimica Acta, 2013, 91, 96-100.	2.6	55
10	Enhanced Resonant Tunneling in Symmetric 2D Semiconductor Vertical Heterostructure Transistors. ACS Nano, 2015, 9, 5000-5008.	7.3	50
11	The effect of flux chemistry, applied voltage, conductor spacing, and temperature on conductive anodic filament formation. Journal of Electronic Materials, 2002, 31, 1208-1224.	1.0	44
12	A technology opportunities analysis model: applied to dye-sensitised solar cells for China. Technology Analysis and Strategic Management, 2014, 26, 87-104.	2.0	32
13	Atomic Layer Deposition of Titanium Oxide for Pseudocapacitive Functionalization of Vertically-Aligned Carbon Nanotube Supercapacitor Electrodes. ECS Journal of Solid State Science and Technology, 2015, 4, M1-M5.	0.9	31
14	Lifetime and Failure Mechanisms of an Arrayed Carbon Nanotube Field Emission Cathode. IEEE Transactions on Electron Devices, 2010, 57, 3163-3168.	1.6	28
15	Tuning Low Concentration Electrolytes for High Rate Performance in Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2020, 167, 100512.	1.3	24
16	Band structure effects on resonant tunneling in III-V quantum wells versus two-dimensional vertical heterostructures. Journal of Applied Physics, 2016, 119, .	1.1	22
17	A novel test circuit for automatically detecting electrochemical migration and conductive anodic filament formation. Journal of Electronic Materials, 1999, 28, 1158-1163.	1.0	20
18	Plasma-assisted synthesis of MoS ₂. 2D Materials, 2018, 5, 015005.	2.0	19

#	Article	IF	Citations
19	Chemical vapor deposition synthesis of self-aligned carbon nanotube arrays. Journal of Electronic Materials, 2006, 35, 192-194.	1.0	18
20	A thin film triode type carbon nanotube field emission cathode. Applied Physics A: Materials Science and Processing, 2013, 110, 99-104.	1.1	16
21	Graphene-Molybdenum Disulfide-Graphene Tunneling Junctions with Large-Area Synthesized Materials. ACS Applied Materials & Interfaces, 2016, 8, 8702-8709.	4.0	16
22	The Synthesis of Carbon Nanotubes Grown on Metal Substrates: A Review. Nanoscience and Nanotechnology Letters, 2012, 4, 1123-1131.	0.4	11
23	Simulations of absorbance efficiency and power production of three dimensional tower arrays for use in photovoltaics. Journal of Applied Physics, 2008, 103, 113110.	1.1	10
24	Oxygen plasma resurrection of triode type carbon nanotube field emission cathodes. Diamond and Related Materials, 2014, 43, 1-4.	1.8	8
25	Amorphous and nanocrystalline silicon growth on carbon nanotube substrates. Thin Solid Films, 2011, 519, 4144-4147.	0.8	7
26	Material Constraints and Scaling of 2-D Vertical Heterostructure Interlayer Tunnel Field-Effect Transistors. IEEE Transactions on Electron Devices, 2017, 64, 2714-2720.	1.6	7
27	A novel design of CNT-based embedded inductors. , 2009, , .		6
28	Nanoscale coaxial cables produced from vertically aligned carbon nanotube arrays grown via chemical vapor deposition and coated with indium tin oxide via ion assisted deposition. Carbon, 2008, 46, 723-728.	5.4	5
29	Formation and Impact of Microcracks in Plasma Erosion of M26 Boron Nitride. Journal of Propulsion and Power, 2021, 37, 59-67.	1.3	4
30	Investigation of copper plated-through-holes in glass fiber reinforced epoxy substrates using AC impedance spectroscopy. Journal of Materials Science: Materials in Electronics, 2015, 26, 2563-2570.	1.1	3
31	Development of Silicon-Embedded Supercapacitors Utilizing Atomic Layer Deposition and Plasma-Enhanced Chemical Vapor Deposition for Functionalization of Carbon Nanotube Electrodes. Journal of Electronic Materials, 2021, 50, 5037.	1.0	3
32	Insulation reliability of fine-pitch through-vias in glass fiber reinforced halogen-free epoxy substrates. Journal of Materials Science: Materials in Electronics, 2014, 25, 1687-1695.	1.1	2
33	Texturing of polycrystalline photovoltaic materials using vertically aligned carbon nanotube arrays. Progress in Photovoltaics: Research and Applications, 2014, 22, 634-640.	4.4	2
34	Field Emission Damage Modes of Carbon Nanotube Spindt Cathode Arrays. Jom, 2020, 72, 544-551.	0.9	2
35	Derivation of power gain for three types of three dimensional photovoltaics cells. Progress in Photovoltaics: Research and Applications, 2011, 19, 667-675.	4.4	1