

Kang Zhang

List of Publications by Year in descending order

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24
papers

1,305
citations

567144

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docs citations

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times ranked

3029
citing authors

#	ARTICLE	IF	CITATIONS
1	High phase-purity 1T ϵ^2 -MoS $_2$ - and 1T ϵ^2 -MoSe $_2$ -layered crystals. <i>Nature Chemistry</i> , 2018, 10, 638-643.	6.6	757
2	Metal-free SWNT/carbon/MnO $_2$ hybrid electrode for high performance coplanar micro-supercapacitors. <i>Nano Energy</i> , 2016, 22, 11-18.	8.2	64
3	Electroluminescence Efficiency Enhancement in Quantum Dot Light-Emitting Diodes by Embedding a Silver Nanoisland Layer. <i>Advanced Optical Materials</i> , 2015, 3, 1439-1445.	3.6	59
4	In ϵ -Plane Anisotropic Properties of 1T ϵ^2 -MoS $_2$ Layers. <i>Advanced Materials</i> , 2019, 31, e1807764.	11.1	55
5	Ultrasonic ϵ Ball Milling: A Novel Strategy to Prepare Large ϵ Size Ultrathin 2D Materials. <i>Small</i> , 2020, 16, e1906734.	5.2	45
6	Carbon Nanotube Driver Circuit for 6 ϵ 6 Organic Light Emitting Diode Display. <i>Scientific Reports</i> , 2015, 5, 11755.	1.6	38
7	Functionalized MoS $_2$ Nanosheets as Multi-Gene Delivery Vehicles for <i>In Vivo</i> Pancreatic Cancer Therapy. <i>Nanotheranostics</i> , 2018, 2, 371-386.	2.7	37
8	Functionalized horizontally aligned CNT array and random CNT network for CO $_2$ sensing. <i>Carbon</i> , 2017, 117, 263-270.	5.4	35
9	Enhancement of humidity sensitivity of graphene through functionalization with polyethylenimine. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	28
10	Complementary Logic Gate Arrays Based on Carbon Nanotube Network Transistors. <i>Small</i> , 2013, 9, 813-819.	5.2	25
11	Optimization of coplanar high rate supercapacitors. <i>Journal of Power Sources</i> , 2016, 315, 1-8.	4.0	22
12	Strong Piezoelectricity in 3R ϵ -MoS $_2$ Flakes. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	20
13	Bi-functional electrode for UV detector and supercapacitor. <i>Nano Energy</i> , 2015, 15, 445-452.	8.2	18
14	Optical-reconfigurable carbon nanotube and indium-tin-oxide complementary thin-film transistor logic gates. <i>Nanoscale</i> , 2018, 10, 13122-13129.	2.8	17
15	Roles of inter-SWCNT junctions in resistive humidity response. <i>Nanotechnology</i> , 2015, 26, 455501.	1.3	16
16	Giant Humidity Response Using a Chitosan-Based Protonic Conductive Sensor. <i>IEEE Sensors Journal</i> , 2016, 16, 8884-8889.	2.4	15
17	Low excitation of Raman D-band in [2+1] cycloaddition functionalized single-walled carbon nanotubes. <i>Carbon</i> , 2018, 138, 188-196.	5.4	14
18	Diameter Effect on the Sidewall Functionalization of Single ϵ Walled Carbon Nanotubes by Addition of Dichlorocarbene. <i>Advanced Functional Materials</i> , 2012, 22, 5216-5223.	7.8	13

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19	Covalently Functionalized Metallic Single-Walled Carbon Nanotubes Studied Using Electrostatic Force Microscopy and Dielectric Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24570-24578.	1.5	11
20	Raman Signatures of Broken C-C Bonds in Single-Walled Carbon Nanotubes upon [2 + 1] Cycloaddition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18753-18761.	1.5	7
21	Influences of water molecules on the electronic properties of atomically thin molybdenum disulfide. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	7
22	Advanced Preclean Chamber for Ubm/Rdl Contact Resistance Improvement in Advanced Node Packaging Application. , 2020, , .		2
23	Single-Walled Carbon Nanotubes based sensors and amplifier circuit integrated on flexible substrates. , 2016, , .		0
24	Low Temperature Physical Vapour Deposited Cu Seed Layer for Temporary Bonded Wafer Substrates. , 2021, , .		0