

Vinayak S Kale

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1374314/publications.pdf>

Version: 2024-02-01

20
papers

1,860
citations

471509

17
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

3130
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Covalent Organic Framework Electrodes for Supercapacitors and Rechargeable Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2100177.	19.5	87
2	Metal-Organic Frameworks in Mixed-Matrix Membranes for High-Speed Visible-Light Communication. <i>Journal of the American Chemical Society</i> , 2022, 144, 6813-6820.	13.7	23
3	Insights into the Enhancement of MOF/Polymer Adhesion in Mixed-Matrix Membranes <i>via</i> Polymer Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29041-29047.	8.0	32
4	Molecular Engineering of Covalent Organic Framework Cathodes for Enhanced Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2103617.	21.0	151
5	High-Capacity NH ₄ ⁺ Charge Storage in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 19178-19186.	13.7	109
6	Covalent Organic Frameworks as Negative Electrodes for High-Performance Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001673.	19.5	107
7	Phenanthroline Covalent Organic Framework Electrodes for High-Performance Zinc-Ion Supercapattery. <i>ACS Energy Letters</i> , 2020, 5, 2256-2264.	17.4	175
8	Extremely Vivid, Highly Transparent, and Ultrathin Quantum Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, 1703279.	21.0	157
9	Co ²⁺ -Doping of Magic-Sized CdSe Clusters: Structural Insights via Ligand Field Transitions. <i>Nano Letters</i> , 2018, 18, 7350-7357.	9.1	21
10	Microporosity-Controlled Synthesis of Heteroatom Codoped Carbon Nanocages by Wrap-Bake-Sublime Approach for Flexible All-Solid-State Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1803786.	14.9	92
11	Sulfur-Modified Graphitic Carbon Nitride Nanostructures as an Efficient Electrocatalyst for Water Oxidation. <i>Small</i> , 2017, 13, 1603893.	10.0	52
12	Colloidal Synthesis of Uniform-Sized Molybdenum Disulfide Nanosheets for Wafer-Scale Flexible Nonvolatile Memory. <i>Advanced Materials</i> , 2016, 28, 9326-9332.	21.0	151
13	Atomic layer deposited (ALD) SnO ₂ anodes with exceptional cycleability for Li-ion batteries. <i>Nano Energy</i> , 2013, 2, 720-725.	16.0	107
14	Novel Assembly of an MoS ₂ Electrocatalyst onto a Silicon Nanowire Array Electrode to Construct a Photocathode Composed of Elements Abundant on the Earth for Hydrogen Generation. <i>Chemistry - A European Journal</i> , 2012, 18, 13994-13999.	3.3	109
15	Enhanced electron field emission properties of high aspect ratio silicon nanowire-zinc oxide core-shell arrays. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4614.	2.8	35
16	A novel catalyst-free synthesis of vertically aligned silicon nanowire-carbon nanotube heterojunction arrays for high performance electron field emitters. <i>Chemical Communications</i> , 2011, 47, 7785.	4.1	18
17	Synthesis of silver nanoparticles in an aqueous suspension of graphene oxide sheets and its antimicrobial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 16-22.	5.0	402
18	Direct transfer of micro-molded electrodes for enhanced mass transport and water management in PEMFC. <i>Electrochemistry Communications</i> , 2010, 12, 1638-1641.	4.7	16

#	ARTICLE	IF	CITATIONS
19	Template assisted highly ordered novel self assembly of micro-reservoirs and its replication. Lab on A Chip, 2010, 10, 1902.	6.0	0
20	High aspect ratio nanoscale multifunctional materials derived from hollow carbon nanofiber by polymer insertion and metal decoration. Chemical Communications, 2010, 46, 5590.	4.1	16