

# 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	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
2	Phenanthroline Covalent Organic Framework Electrodes for High-Performance Zinc-Ion Supercapattery. <i>ACS Energy Letters</i> , 2020, 5, 2256-2264.	17.4	175
3	Extremely Vivid, Highly Transparent, and Ultrathin Quantum Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, 1703279.	21.0	157
4	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
5	Molecular Engineering of Covalent Organic Framework Cathodes for Enhanced Zinc-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2103617.	21.0	151
6	Novel Assembly of an MoS <sub>2</sub> 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
7	High-Capacity NH <sub>4</sub> <sup>+</sup> Charge Storage in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 19178-19186.	13.7	109
8	Atomic layer deposited (ALD) SnO <sub>2</sub> anodes with exceptional cycleability for Li-ion batteries. <i>Nano Energy</i> , 2013, 2, 720-725.	16.0	107
9	Covalent Organic Frameworks as Negative Electrodes for High-Performance Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001673.	19.5	107
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	2D Covalent Organic Framework Electrodes for Supercapacitors and Rechargeable Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2100177.	19.5	87
12	Sulfur-Modified Graphitic Carbon Nitride Nanostructures as an Efficient Electrocatalyst for Water Oxidation. <i>Small</i> , 2017, 13, 1603893.	10.0	52
13	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
14	Insights into the Enhancement of MOF/Polymer Adhesion in Mixed-Matrix Membranes via Polymer Functionalization. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29041-29047.	8.0	32
15	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
16	Co <sup>2+</sup> -Doping of Magic-Sized CdSe Clusters: Structural Insights via Ligand Field Transitions. <i>Nano Letters</i> , 2018, 18, 7350-7357.	9.1	21
17	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
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	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
20	Template assisted highly ordered novel self assembly of micro-reservoirs and its replication. Lab on A Chip, 2010, 10, 1902.	6.0	0