

Kaliaperumal Selvaraj

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

230
citations

1163117

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996975

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17
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17
docs citations

17
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioresponsive carbon nano-gated multifunctional mesoporous silica for cancer theranostics. <i>Nanoscale</i> , 2016, 8, 4537-4546.	5.6	64
2	Disintegrable NIR Light Triggered Gold Nanorods Supported Liposomal Nanohybrids for Cancer Theranostics. <i>Bioconjugate Chemistry</i> , 2018, 29, 1510-1518.	3.6	40
3	Graphene Oxide Supported Liposomes as Red Emissive Theranostics for Phototriggered Tissue Visualization and Tumor Regression. <i>ACS Applied Bio Materials</i> , 2019, 2, 3312-3320.	4.6	30
4	<i>In Vivo</i> Examination of Folic Acid-Conjugated Gold-Silica Nanohybrids as Contrast Agents for Localized Tumor Diagnosis and Biodistribution. <i>Bioconjugate Chemistry</i> , 2018, 29, 4012-4019.	3.6	18
5	Non-templated ambient nanoporation of graphene: a novel scalable process and its exploitation for energy and environmental applications. <i>Nanoscale</i> , 2015, 7, 19705-19713.	5.6	16
6	Dinitrogen Activation on Graphene Anchored Single Atom Catalysts: Local Site Activity or Surface Phenomena. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27492-27500.	3.1	13
7	Dissociative chemisorption of hydrogen molecules on defective graphene-supported aluminium clusters: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26506-26512.	2.8	10
8	Unravelling the distinct surface interactions of modified graphene nanostructures with methylene blue dye through experimental and computational approaches. <i>Journal of Hazardous Materials</i> , 2020, 388, 121755.	12.4	9
9	Dependence of ²⁹ Si NMR chemical shielding properties of precursor silicate species, Q0 on its local structure at the pre-nucleation stages of zeolite synthesis – A DFT based computational correlation. <i>Microporous and Mesoporous Materials</i> , 2009, 122, 105-113.	4.4	5
10	Transformation of chemically fine tuned zeolite A precursor into dense lithium aluminosilicates – A comprehensive phase evolution and sintering study. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 82-89.	4.4	5
11	Exploring Battery-type ZnO/ZnFe ₂ O ₄ Spheres@3D Graphene Electrodes for Supercapacitor Applications: Advantage of Yolk-Shell over Solid Structures. <i>ChemElectroChem</i> , 2019, 6, 5819-5828.	3.4	5
12	A redox-mediated 3D graphene based nanoscoop design for ultracapacitor applications. <i>New Journal of Chemistry</i> , 2017, 41, 8390-8398.	2.8	4
13	Surface alteration driven bi-functional catalytic activity of alkali niobate-N doped graphene composite for exalted oxygen electrochemistry. <i>Applied Surface Science</i> , 2022, 580, 152160.	6.1	4
14	Graphene-based frustrated Lewis pairs as bifunctional catalysts for CO ₂ reduction via the dissociative chemisorption of molecular H ₂ : a periodic density functional perspective. <i>New Journal of Chemistry</i> , 2021, 45, 9959-9966.	2.8	3
15	Probing the catalytic activity of pristine and doped Pd and Ni metal clusters towards H ₂ O molecule. <i>Computational and Theoretical Chemistry</i> , 2019, 1170, 112624.	2.5	2
16	Role of Chemical Structure of Support in Enhancing the Catalytic Activity of a Single Atom Catalyst Toward NRR: A Computational Study. <i>Frontiers in Chemistry</i> , 2021, 9, 733422.	3.6	2