Kaliaperumal Selvaraj

List of Publications by Year
in descending order

16	230	1163117 8	996975 15
papers	citations	h-index	g-index

17	17	17	395
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface alteration driven bi-functional catalytic activity of alkali niobate-N doped graphene composite for exalted oxygen electrochemistry. Applied Surface Science, 2022, 580, 152160.	6.1	4
2	Graphene-based frustrated Lewis pairs as bifunctional catalysts for CO₂ reduction via the dissociative chemisorption of molecular H₂: a periodic density functional perspective. New Journal of Chemistry, 2021, 45, 9959-9966.	2.8	3
3	Role of Chemical Structure of Support in Enhancing the Catalytic Activity of a Single Atom Catalyst Toward NRR: A Computational Study. Frontiers in Chemistry, 2021, 9, 733422.	3.6	2
4	Unravelling the distinct surface interactions of modified graphene nanostructures with methylene blue dye through experimental and computational approaches. Journal of Hazardous Materials, 2020, 388, 121755.	12.4	9
5	Graphene Oxide Supported Liposomes as Red Emissive Theranostics for Phototriggered Tissue Visualization and Tumor Regression. ACS Applied Bio Materials, 2019, 2, 3312-3320.	4.6	30
6	Exploring Batteryâ€Type ZnO/ZnFe 2 O 4 Spheresâ€3D Graphene Electrodes for Supercapacitor Applications: Advantage of Yolkâ^'Shell over Solid Structures. ChemElectroChem, 2019, 6, 5819-5828.	3.4	5
7	Dinitrogen Activation on Graphene Anchored Single Atom Catalysts: Local Site Activity or Surface Phenomena. Journal of Physical Chemistry C, 2019, 123, 27492-27500.	3.1	13
8	Probing the catalytic activity of pristine and doped Pd and Ni metal clusters towards H2O molecule. Computational and Theoretical Chemistry, 2019, 1170, 112624.	2.5	2
9	Disintegrable NIR Light Triggered Gold Nanorods Supported Liposomal Nanohybrids for Cancer Theranostics. Bioconjugate Chemistry, 2018, 29, 1510-1518.	3.6	40
10	Dissociative chemisorption of hydrogen molecules on defective graphene-supported aluminium clusters: a computational study. Physical Chemistry Chemical Physics, 2018, 20, 26506-26512.	2.8	10
11	In Vivo Examination of Folic Acid-Conjugated Gold-Silica Nanohybrids as Contrast Agents for Localized Tumor Diagnosis and Biodistribution. Bioconjugate Chemistry, 2018, 29, 4012-4019.	3.6	18
12	A redox-mediated 3D graphene based nanoscoop design for ultracapacitor applications. New Journal of Chemistry, 2017, 41, 8390-8398.	2.8	4
13	Bioresponsive carbon nano-gated multifunctional mesoporous silica for cancer theranostics. Nanoscale, 2016, 8, 4537-4546.	5.6	64
14	Non-templated ambient nanoperforation of graphene: a novel scalable process and its exploitation for energy and environmental applications. Nanoscale, 2015, 7, 19705-19713.	5.6	16
15	Transformation of chemically fine tuned zeolite A precursor into dense lithium aluminosilicates â€“ A comprehensive phase evolution and sintering study. Microporous and Mesoporous Materials, 2010, 135, 82-89.	4.4	5
16	Dependence of 29Si NMR chemical shielding properties of precursor silicate species, Q0 on its local structure at the pre-nucleation stages of zeolite synthesis â€“ A DFT based computational correlation. Microporous and Mesoporous Materials, 2009, 122, 105-113.	4.4	5