

Kowsalya Devi Rasamani

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

423
citations

1163117

8
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer-expanded MoS ₂ . <i>Materials Today</i> , 2017, 20, 83-91.	14.2	276
2	Ternary Silver Halide Nanocrystals. <i>Accounts of Chemical Research</i> , 2017, 50, 1754-1761.	15.6	40
3	Significant enhancement of photocatalytic water splitting enabled by elimination of surface traps in Pt-tipped CdSe nanorods. <i>Nanoscale</i> , 2016, 8, 18621-18625.	5.6	16
4	Geometric Symmetry of Dielectric Antenna Influencing Light Absorption in Quantum-Sized Metal Nanocrystals: A Comparative Study. <i>Frontiers in Chemistry</i> , 2018, 6, 494.	3.6	15
5	Enhanced optical absorption in semiconductor nanoparticles enabled by nearfield dielectric scattering. <i>Nano Research</i> , 2017, 10, 1292-1301.	10.4	14
6	Enabling selective aerobic oxidation of alcohols to aldehydes by hot electrons in quantum-sized Rh nanocubes. <i>Materials Today Energy</i> , 2018, 10, 15-22.	4.7	14
7	One stone, two birds: silica nanospheres significantly increase photocatalytic activity and colloidal stability of photocatalysts. <i>Nano Futures</i> , 2018, 2, 015003.	2.2	10
8	Mesoporous SiO ₂ Nanoparticles: A Unique Platform Enabling Sensitive Detection of Rare Earth Ions with Smartphone Camera. <i>Nano-Micro Letters</i> , 2018, 10, 55.	27.0	9
9	Promoting reactivity of photoexcited hot electrons in small-sized plasmonic metal nanoparticles that are supported on dielectric nanospheres. <i>Journal of Chemical Physics</i> , 2020, 152, 084706.	3.0	9
10	Highly Dispersed Palladium Nanoparticles on Silica Spheres for Photocatalytic Hydrodeoxygenation of Vanillin. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16550-16556.	3.1	8
11	Reaction of bisphenol A with synthetic and commercial MnO _x (s): spectroscopic and kinetic study. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1046-1055.	3.5	6
12	Dissolution, Adsorption, and Redox Reaction in Ternary Mixtures of Goethite, Aluminum Oxides, and Hydroquinone. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4371-4379.	3.1	5
13	Poly(acrylic acid) enabling the synthesis of highly uniform silica nanoparticles of sub-100 nm. <i>ChemNanoMat</i> , 0, , .	2.8	1