Richard Anthony Harris

List of Publications by Year
in descending order

22	455	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	749
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of the Interaction of Surfactants Oleic Acid and Oleylamine with Iron Oxide Nanoparticles through Molecular Mechanics Modeling. Langmuir, 2015, 31, 3934-3943.	3.5	106
2	Embedded plasmonic nanostructures: synthesis, fundamental aspects and their surface enhanced Raman scattering applications. International Reviews in Physical Chemistry, 2016, 35, 353-398.	2.3	58
3	Local Structure and Spectroscopic Properties of Eu³⁺-Doped BaZrO₃. Inorganic Chemistry, 2019, 58, 3073-3089.	4.0	34
4	Optimizing the Binding Energy of the Surfactant to Iron Oxide Yields Truly Monodisperse Nanoparticles. Langmuir, 2018, 34, 6582-6590.	3.5	28
5	Molecular dynamics study on iron oxide nanoparticles stabilised with Sebacic Acid and 1,10-Decanediol surfactants. Journal of Molecular Structure, 2013, 1048, 18-26.	3.6	27
6	Biomolecular assisted synthesis and mechanism of silver and gold nanoparticles. Materials Research Express, 2019, 6, 082009.	1.6	24
7	Structural properties and luminescence dynamics of CaZrO₃:Eu³⁺ phosphors. Inorganic Chemistry Frontiers, 2021, 8, 821-836.	6.0	24
8	Group-Targeting SERS Screening of Total Benzodiazepines Based on Large-Size (111) Faceted Silver Nanosheets Decorated with Zinc Oxide Nanoparticles. Analytical Chemistry, 2021, 93, 3403-3410.	6.5	24
9	Photoluminescence of metal-imidazolate complexes with Cd(II), Zn(II), Co(II) and Ni(II) cation nodes and 2-methylimidazole organic linker. Journal of Luminescence, 2019, 207, 454-459.	3.1	23
10	Chemotherapy drug temozolomide adsorbed onto iron-oxide (Fe3O4) nanoparticles as nanocarrier: A simulation study. Journal of Molecular Liquids, 2019, 288, 111084.	4.9	19
11	Synthesis and evaluation of optical and antimicrobial properties of Ag-SnO 2 nanocomposites. Physica B: Condensed Matter, 2018, 535, 338-343.	2.7	18
12	Selective Synthesis of Monodisperse CoO Nanooctahedra as Catalysts for Electrochemical Water Oxidation. Langmuir, 2020, 36, 13804-13816.	3.5	16
13	Engineered Inorganic/Organic-Core/Shell Magnetic Fe_xO_y Nanoparticles with Oleic Acid and/or Oleylamine As Capping Agents. Current Pharmaceutical Design, 2015, 21, 5369-5388.	1.9	11
14	Computational study of ZIF-8 analogues with electron donating and withdrawing groups for CO2 adsorption. Microporous and Mesoporous Materials, 2019, 288, 109613.	4.4	10
15	The PEGylated and non-PEGylated interaction of the anticancer drug 5-fluorouracil with paramagnetic Fe3O4 nanoparticles as drug carrier. Journal of Molecular Liquids, 2022, 360, 119515.	4.9	8
16	Computational and experimental evaluation of selective substitution of thiolated coumarin derivatives on gold nanoparticles: Surface enhancing Raman scattering and electrochemical studies. Applied Surface Science, 2017, 396, 695-704.	6.1	7
17	Surface enhanced Raman scattering with methyl-orange on Ag-TiO2 nanocomposites: A computational investigation. Journal of Molecular Graphics and Modelling, 2019, 87, 220-226.	2.4	6
18	Recent developments in computational and experimental studies of physicochemical properties of Au and Ag nanostructures on cellular uptake and nanostructure toxicity. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130170.	2.4	5

#	Article	IF	Citations
19	Modeling the band gap of CdS quantum well structures. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 415-422.	2.7	3
20	Simulation study on the physicochemical properties of Fe3O4 nanoparticles as drug delivery vehicles for dopamine replacement therapy of Parkinsonâ€™s disease. Materials Today Communications, 2022, 31, 103829.	1.9	3
21	Synthesis of silver incorporated lithium doped zinc oxide nanocomposites for in-vitro biorational evaluation of Candiasis and Cryptococcosis. Applied Surface Science, 2020, 506, 144800.	6.1	1
22	Simulated Adsorbance of 11-Aminoundecanoic Acid to Stabilise Fe3O4 Nanoparticles. Materials Today: Proceedings, 2015, 2, 4167-4181.	1.8	0