

Ibrahim Yildiz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8770432/publications.pdf>

Version: 2024-02-01

55
papers

2,869
citations

172207

29
h-index

168136

53
g-index

58
all docs

58
docs citations

58
times ranked

3562
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence modulation with photochromic switches in nanostructured constructs. <i>Chemical Society Reviews</i> , 2009, 38, 1859.	18.7	318
2	Applications of viral nanoparticles in medicine. <i>Current Opinion in Biotechnology</i> , 2011, 22, 901-908.	3.3	260
3	pH-Sensitive Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3853-3855.	1.2	162
4	A mechanism to signal receptor-substrate interactions with luminescent quantum dots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11457-11460.	3.3	141
5	Supramolecular Strategies To Construct Biocompatible and Photoswitchable Fluorescent Assemblies. <i>Journal of the American Chemical Society</i> , 2011, 133, 871-879.	6.6	141
6	Photoactivatable Fluorophores for Super-Resolution Imaging Based on Oxazine Auxochromes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6058-6068.	1.5	123
7	pH-Sensitive Ligand for Luminescent Quantum Dots. <i>Langmuir</i> , 2006, 22, 10284-10290.	1.6	118
8	Luminescent chemosensors based on semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2036.	1.3	112
9	Biocompatible CdSe/ZnS Core/Shell Quantum Dots Coated with Hydrophilic Polythiols. <i>Langmuir</i> , 2009, 25, 7090-7096.	1.6	95
10	Interior Engineering of a Viral Nanoparticle and Its Tumor Homing Properties. <i>Biomacromolecules</i> , 2012, 13, 3990-4001.	2.6	94
11	Infusion of imaging and therapeutic molecules into the plant virus-based carrier cowpea mosaic virus: Cargo-loading and delivery. <i>Journal of Controlled Release</i> , 2013, 172, 568-578.	4.8	90
12	Hydrophilic CdSe/ZnS Core/Shell Quantum Dots with Reactive Functional Groups on Their Surface. <i>Langmuir</i> , 2010, 26, 11503-11511.	1.6	89
13	A Review of Carbon Footprint Reduction in Construction Industry, from Design to Operation. <i>Materials</i> , 2021, 14, 6094.	1.3	73
14	Shape matters: the diffusion rates of TMV rods and CPMV icosahedrons in a spheroid model of extracellular matrix are distinct. <i>Biomaterials Science</i> , 2013, 1, 581.	2.6	64
15	Synthesis of a 2D copper(II)-carboxylate framework having ultrafast adsorption of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 43-54.	5.0	61
16	Highly luminescent biocompatible carbon quantum dots by encapsulation with an amphiphilic polymer. <i>Chemical Communications</i> , 2012, 48, 9361.	2.2	60
17	Development of viral nanoparticles for efficient intracellular delivery. <i>Nanoscale</i> , 2012, 4, 3567.	2.8	57
18	A computational study on the amine-oxidation mechanism of monoamine oxidase: Insight into the polar nucleophilic mechanism. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 646.	1.5	54

#	ARTICLE	IF	CITATIONS
19	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. Australian Journal of Chemistry, 2006, 59, 175.	0.5	50
20	Optical control of quantum dot luminescence via photoisomerization of a surface-coordinated, cationic dithienylethene. Photochemical and Photobiological Sciences, 2010, 9, 249.	1.6	50
21	Engineering of Brome mosaic virus for biomedical applications. RSC Advances, 2012, 2, 3670.	1.7	49
22	Structural and Size Effects on the Spectroscopic and Redox Properties of CdSe Nanocrystals in Solution: The Role of Defect States. ChemPhysChem, 2011, 12, 2280-2288.	1.0	45
23	Nanoparticle-induced transition from positive to negative photochromism. Inorganica Chimica Acta, 2007, 360, 938-944.	1.2	43
24	Electron and energy transfer mechanisms to switch the luminescence of semiconductor quantum dots. Journal of Materials Chemistry, 2008, 18, 5577.	6.7	42
25	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core-Shell Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 7007-7013.	1.5	40
26	Applications of magnetic nanoparticles in biomedical separation and purification. Nanotechnology Reviews, 2016, 5, .	2.6	38
27	The effect of pyrolysis temperature and feedstock on date palm waste derived biochar to remove single and multi-metals in aqueous solutions. Sustainable Environment Research, 2021, 31, .	2.1	38
28	Fast Fluorescence Switching within Hydrophilic Supramolecular Assemblies. Chemistry - A European Journal, 2012, 18, 10399-10407.	1.7	35
29	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dication. Journal of Materials Chemistry, 2008, 18, 2022.	6.7	32
30	Viral Nanoparticles for <i>In vivo</i> ; Tumor Imaging. Journal of Visualized Experiments, 2012, , e4352.	0.2	30
31	Redox properties of CdSe and CdSe-ZnS quantum dots in solution. Pure and Applied Chemistry, 2010, 83, 1-8.	0.9	24
32	Applications of Thermoresponsive Magnetic Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-12.	1.5	24
33	Adsorptive removal capacity of gravel for metal cations in the absence/presence of competitive adsorption. Environmental Science and Pollution Research, 2018, 25, 7530-7540.	2.7	24
34	Manganese and nitrate removal from groundwater using date palm biochar: Application for drinking water. Environmental Advances, 2022, 8, 100237.	2.2	23
35	A DFT Approach to the Mechanistic Study of Hydrozone Hydrolysis. Journal of Physical Chemistry A, 2016, 120, 3683-3692.	1.1	19
36	Modified biosand filters enriched with iron oxide coated gravel to remove chemical, organic and bacteriological contaminants. Journal of Water Process Engineering, 2019, 27, 110-119.	2.6	18

#	ARTICLE	IF	CITATIONS
37	Photochromic nanocomposites of bipyridinium dications and semiconductor quantum dots. Journal of Materials Chemistry, 2006, 16, 1118.	6.7	17
38	Simultaneous removal of organics and metals in fixed bed using gravel and iron oxide coated gravel. Results in Engineering, 2020, 5, 100093.	2.2	16
39	Self-assembling and electrochromic films of bipyridinium building blocks. Journal of Materials Chemistry, 2006, 16, 3171.	6.7	13
40	Dithiolane ligands for semiconductor quantum dots. Journal of Materials Chemistry, 2008, 18, 3940.	6.7	12
41	Electroactive Films of Multicomponent Building Blocks. Advanced Functional Materials, 2007, 17, 814-820.	7.8	10
42	Comparative Computational Approach To Study Enzyme Reactions Using QM and QM-MM Methods. ACS Omega, 2018, 3, 14689-14703.	1.6	10
43	Fluorescence Resonance Energy Transfer in Quantum Dot-Protein Kinase Assemblies. Journal of Biomedicine and Biotechnology, 2007, 2007, 1-5.	3.0	7
44	A DFT-based mechanistic study on the formation of oximes. Journal of Physical Organic Chemistry, 2017, 30, e3711.	0.9	7
45	Computational Analysis of the Nicotine Oxidoreductase Mechanism by the ONIOM Method. ACS Omega, 2021, 6, 22422-22428.	1.6	7
46	Self-assembling films of chiral bipyridinium bithiols. Journal of Materials Chemistry, 2010, 20, 981-989.	6.7	6
47	Iron Oxide-Coated Gravel Fixed Bed Column Study Performance to Remove Mixed Metals from Landfill Leachate. E3S Web of Conferences, 2019, 122, 01002.	0.2	5
48	Ligand photodissociation in Ru(II)-1,4,7-triazacyclononane complexes enhances water oxidation and enables electrochemical generation of surface active species. Catalysis Science and Technology, 2020, 10, 3399-3408.	2.1	4
49	Computational Analysis of Histone Deacetylase 10 Mechanism by the ONIOM Method: A Complementary Approach to X-ray and Kinetics Studies. ACS Omega, 2022, 7, 6393-6402.	1.6	4
50	Computational Analysis of the Inhibition Mechanism of NOTUM by the ONIOM Method. ACS Omega, 2022, 7, 13333-13342.	1.6	4
51	A computational insight into the interaction of methylated lysines with aromatic amino acid cages. Journal of Physical Organic Chemistry, 2017, 30, e3660.	0.9	3
52	Mechanistic study of L-6-hydroxynicotine oxidase by DFT and ONIOM methods. Journal of Molecular Modeling, 2021, 27, 53.	0.8	3
53	Computational mechanistic study of human liver glycerol 3-phosphate dehydrogenase using ONIOM method. Journal of Physical Organic Chemistry, 2020, 33, e4104.	0.9	2
54	Half-sandwich ruthenium complex with a very low overpotential and excellent activity for water oxidation under acidic conditions. Applied Organometallic Chemistry, 2022, 36, .	1.7	2

#	ARTICLE	IF	CITATIONS
55	Organic matter removal via activated sludge immobilized gravel in fixed bed reactor. E3S Web of Conferences, 2020, 191, 03006.	0.2	1