

Ibrahim Yildiz

List of Publications by Citations

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56
papers

2,380
citations

26
h-index

48
g-index

58
ext. papers

2,636
ext. citations

5.9
avg, IF

5.1
L-index

#	Paper	IF	Citations
56	Fluorescence modulation with photochromic switches in nanostructured constructs. <i>Chemical Society Reviews</i> , 2009 , 38, 1859-67	58.5	282
55	Applications of viral nanoparticles in medicine. <i>Current Opinion in Biotechnology</i> , 2011 , 22, 901-8	11.4	234
54	pH-sensitive quantum dots. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3853-5	3.4	152
53	Supramolecular strategies to construct biocompatible and photoswitchable fluorescent assemblies. <i>Journal of the American Chemical Society</i> , 2011 , 133, 871-9	16.4	130
52	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, 11457-60	11.5	129
51	pH-sensitive ligand for luminescent quantum dots. <i>Langmuir</i> , 2006 , 22, 10284-90	4	112
50	Photoactivatable Fluorophores for Super-Resolution Imaging Based on Oxazine Auxochromes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6058-6068	3.8	111
49	Luminescent chemosensors based on semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 2036-43	3.6	106
48	Biocompatible CdSe-ZnS core-shell quantum dots coated with hydrophilic polythiols. <i>Langmuir</i> , 2009 , 25, 7090-6	4	88
47	Interior engineering of a viral nanoparticle and its tumor homing properties. <i>Biomacromolecules</i> , 2012 , 13, 3990-4001	6.9	81
46	Hydrophilic CdSe-ZnS core-shell quantum dots with reactive functional groups on their surface. <i>Langmuir</i> , 2010 , 26, 11503-11	4	80
45	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, 568-78	11.7	70
44	Highly luminescent biocompatible Carbon Quantum Dots by encapsulation with an amphiphilic polymer. <i>Chemical Communications</i> , 2012 , 48, 9361-3	5.8	52
43	Development of viral nanoparticles for efficient intracellular delivery. <i>Nanoscale</i> , 2012 , 4, 3567-76	7.7	50
42	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. <i>Australian Journal of Chemistry</i> , 2006 , 59, 175	1.2	50
41	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,	7.4	49
40	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, 646-58	3.9	48

39	Optical control of quantum dot luminescence via photoisomerization of a surface-coordinated, cationic dithienylethene. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 249-53	4.2	46
38	Engineering of Brome mosaic virus for biomedical applications. <i>RSC Advances</i> , 2012 , 2, 3670-3677	3.7	41
37	Structural and size effects on the spectroscopic and redox properties of CdSe nanocrystals in solution: the role of defect states. <i>ChemPhysChem</i> , 2011 , 12, 2280-8	3.2	40
36	Electron and energy transfer mechanisms to switch the luminescence of semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5577		40
35	Nanoparticle-induced transition from positive to negative photochromism. <i>Inorganica Chimica Acta</i> , 2007 , 360, 938-944	2.7	40
34	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7007-7013	3.8	36
33	Fast fluorescence switching within hydrophilic supramolecular assemblies. <i>Chemistry - A European Journal</i> , 2012 , 18, 10399-407	4.8	33
32	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2022		31
31	Applications of magnetic nanoparticles in biomedical separation and purification. <i>Nanotechnology Reviews</i> , 2016 , 5,	6.3	26
30	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	9.3	24
29	Redox properties of CdSe and CdSe/ZnS quantum dots in solution. <i>Pure and Applied Chemistry</i> , 2010 , 83, 1-8	2.1	22
28	Viral nanoparticles for in vivo tumor imaging. <i>Journal of Visualized Experiments</i> , 2012 , e4352	1.6	22
27	Adsorptive removal capacity of gravel for metal cations in the absence/presence of competitive adsorption. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 7530-7540	5.1	16
26	Applications of Thermoresponsive Magnetic Nanoparticles. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-12	3.2	16
25	Photochromic nanocomposites of bipyridinium dications and semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1118		16
24	A DFT Approach to the Mechanistic Study of Hydrozone Hydrolysis. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3683-92	2.8	15
23	Self-assembling and electrochromic films of bipyridinium building blocks. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3171		13
22	Dithiolane ligands for semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3940		11

21	Modified biosand filters enriched with iron oxide coated gravel to remove chemical, organic and bacteriological contaminants. <i>Journal of Water Process Engineering</i> , 2019 , 27, 110-119	6.7	10
20	The effect of pyrolysis temperature and feedstock on date palm waste derived biochar to remove single and multi-metals in aqueous solutions. <i>Sustainable Environment Research</i> , 2021 , 31,	3.8	9
19	Electroactive Films of Multicomponent Building Blocks. <i>Advanced Functional Materials</i> , 2007 , 17, 814-820	5.6	8
18	Simultaneous removal of organics and metals in fixed bed using gravel and iron oxide coated gravel. <i>Results in Engineering</i> , 2020 , 5, 100093	3.3	7
17	Fluorescence resonance energy transfer in quantum dot-protein kinase assemblies. <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 18081		6
16	A Review of Carbon Footprint Reduction in Construction Industry, from Design to Operation. <i>Materials</i> , 2021 , 14,	3.5	6
15	A DFT-based mechanistic study on the formation of oximes. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e3711	2.1	5
14	Self-assembling films of chiral bipyridinium bithiols. <i>Journal of Materials Chemistry</i> , 2010 , 20, 981-989		5
13	Comparative Computational Approach To Study Enzyme Reactions Using QM and QM-MM Methods. <i>ACS Omega</i> , 2018 , 3, 14689-14703	3.9	4
12	A computational insight into the interaction of methylated lysines with aromatic amino acid cages. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e3660	2.1	2
11	Ligand photodissociation in Ru(II)1,4,7-triazacyclononane complexes enhances water oxidation and enables electrochemical generation of surface active species. <i>Catalysis Science and Technology</i> , 2020 , 10, 3399-3408	5.5	2
10	Iron Oxide-Coated Gravel Fixed Bed Column Study Performance to Remove Mixed Metals from Landfill Leachate. <i>E3S Web of Conferences</i> , 2019 , 122, 01002	0.5	2
9	Organic matter removal via activated sludge immobilized gravel in fixed bed reactor. <i>E3S Web of Conferences</i> , 2020 , 191, 03006	0.5	1
8	Mechanistic study of L-6-hydroxynicotine oxidase by DFT and ONIOM methods. <i>Journal of Molecular Modeling</i> , 2021 , 27, 53	2	1
7	Computational Analysis of Histone Deacetylase 10 Mechanism by the ONIOM Method: A Complementary Approach to X-ray and Kinetics Studies.. <i>ACS Omega</i> , 2022 , 7, 6393-6402	3.9	0
6	Computational Analysis of the Inhibition Mechanism of NOTUM by the ONIOM Method.. <i>ACS Omega</i> , 2022 , 7, 13333-13342	3.9	0
5	Manganese and nitrate removal from groundwater using date palm biochar: Application for drinking water. <i>Environmental Advances</i> , 2022 , 8, 100237	3.5	0
4	Computational mechanistic study of human liver glycerol 3-phosphate dehydrogenase using ONIOM method. <i>Journal of Physical Organic Chemistry</i> , 2020 , 33, e4104	2.1	

3 Strategies to Switch Fluorescence with Photochromic Oxazines **2013**, 197-212

2 Self-Assembled Monolayers and Multilayers of Electroactive Thiols **2010**, 185-200

1 Computational Analysis of the Nicotine Oxidoreductase Mechanism by the ONIOM Method. *ACS Omega*, **2021**, 6, 22422-22428

3.9