Ibrahim Yildiz

List of Publications by Year in Descending Order

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	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	3.9	0
55	Computational Analysis of the Inhibition Mechanism of NOTUM by the ONIOM Method.. *ACS Omega*, **2022**, 7, 13333-13342	3.9	0
54	Manganese and nitrate removal from groundwater using date palm biochar: Application for drinking water. *Environmental Advances*, **2022**, 8, 100237	3.5	0
53	A Review of Carbon Footprint Reduction in Construction Industry, from Design to Operation. *Materials*, **2021**, 14,	3.5	6
52	Mechanistic study of L-6-hydroxynicotine oxidase by DFT and ONIOM methods. *Journal of Molecular Modeling*, **2021**, 27, 53	2	1
51	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,	3.8	9
50	Computational Analysis of the Nicotine Oxidoreductase Mechanism by the ONIOM Method. *ACS Omega*, **2021**, 6, 22422-22428	3.9	
49	Synthesis of a 2D copper(II)-carboxylate framework having ultrafast adsorption of organic dyes. *Journal of Colloid and Interface Science*, **2021**, 602, 43-54	9.3	24
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	5.5	2
47	Computational mechanistic study of human liver glycerol 3-phosphate dehydrogenase using ONIOM method. *Journal of Physical Organic Chemistry*, **2020**, 33, e4104	2.1	
46	Simultaneous removal of organics and metals in fixed bed using gravel and iron oxide coated gravel. *Results in Engineering*, **2020**, 5, 100093	3.3	7
45	Organic matter removal via activated sludge immobilized gravel in fixed bed reactor. *E3S Web of Conferences*, **2020**, 191, 03006	0.5	1
44	Iron Oxide-Coated Gravel Fixed Bed Column Study Performance to Remove Mixed Metals from Landfill Leachate. *E3S Web of Conferences*, **2019**, 122, 01002	0.5	2
43	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	6.7	10
42	Adsorptive removal capacity of gravel for metal cations in the absence/presence of competitive adsorption. *Environmental Science and Pollution Research*, **2018**, 25, 7530-7540	5.1	16
41	Comparative Computational Approach To Study Enzyme Reactions Using QM and QM-MM Methods. *ACS Omega*, **2018**, 3, 14689-14703	3.9	4
40	A DFT-based mechanistic study on the formation of oximes. *Journal of Physical Organic Chemistry*, **2017**, 30, e3711	2.1	5

39	A computational insight into the interaction of methylated lysines with aromatic amino acid cages. *Journal of Physical Organic Chemistry*, **2017**, 30, e3660	2.1	2
38	Applications of magnetic nanoparticles in biomedical separation and purification. *Nanotechnology Reviews*, **2016**, 5,	6.3	26
37	A DFT Approach to the Mechanistic Study of Hydrozone Hydrolysis. *Journal of Physical Chemistry A*, **2016**, 120, 3683-92	2.8	15
36	Applications of Thermoresponsive Magnetic Nanoparticles. *Journal of Nanomaterials*, **2015**, 2015, 1-12	3.2	16
35	Infusion of imaging and therapeutic molecules into the plant virus-based carrier cowpea mosaic virus: cargo-loading and delivery. *Journal of Controlled Release*, **2013**, 172, 568-78	11.7	70
34	Shape matters: the diffusion rates of TMV rods and CPMV icosahedrons in a spheroid model of extracellular matrix are distinct. *Biomaterials Science*, **2013**, 1,	7.4	49
33	Strategies to Switch Fluorescence with Photochromic Oxazines **2013**, 197-212		
32	Engineering of Brome mosaic virus for biomedical applications. *RSC Advances*, **2012**, 2, 3670-3677	3.7	41
31	Photoactivatable Fluorophores for Super-Resolution Imaging Based on Oxazine Auxochromes. *Journal of Physical Chemistry C*, **2012**, 116, 6058-6068	3.8	111
30	Interior engineering of a viral nanoparticle and its tumor homing properties. *Biomacromolecules*, **2012**, 13, 3990-4001	6.9	81
29	Highly luminescent biocompatible Carbon Quantum Dots by encapsulation with an amphiphilic polymer. *Chemical Communications*, **2012**, 48, 9361-3	5.8	52
28	Development of viral nanoparticles for efficient intracellular delivery. *Nanoscale*, **2012**, 4, 3567-76	7.7	50
27	Fast fluorescence switching within hydrophilic supramolecular assemblies. *Chemistry - A European Journal*, **2012**, 18, 10399-407	4.8	33
26	Viral nanoparticles for in vivo tumor imaging. *Journal of Visualized Experiments*, **2012**, e4352	1.6	22
25	Applications of viral nanoparticles in medicine. *Current Opinion in Biotechnology*, **2011**, 22, 901-8	11.4	234
24	Structural and size effects on the spectroscopic and redox properties of CdSe nanocrystals in solution: the role of defect states. *ChemPhysChem*, **2011**, 12, 2280-8	3.2	40
23	Supramolecular strategies to construct biocompatible and photoswitchable fluorescent assemblies. *Journal of the American Chemical Society*, **2011**, 133, 871-9	16.4	130
22	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core–Shell Quantum Dots. *Journal of Physical Chemistry C*, **2010**, 114, 7007-7013	3.8	36

21	Optical control of quantum dot luminescence via photoisomerization of a surface-coordinated, cationic dithienylethene. *Photochemical and Photobiological Sciences*, **2010**, 9, 249-53	4.2	46
20	Redox properties of CdSe and CdSe/ZnS quantum dots in solution. *Pure and Applied Chemistry*, **2010**, 83, 1-8	2.1	22
19	Self-assembling films of chiral bipyridinium bisthiols. *Journal of Materials Chemistry*, **2010**, 20, 981-989		5
18	Hydrophilic CdSe-ZnS core-shell quantum dots with reactive functional groups on their surface. *Langmuir*, **2010**, 26, 11503-11	4	80
17	Self-Assembled Monolayers and Multilayers of Electroactive Thiols **2010**, 185-200		
16	Biocompatible CdSe-ZnS core-shell quantum dots coated with hydrophilic polythiols. *Langmuir*, **2009**, 25, 7090-6	4	88
15	Fluorescence modulation with photochromic switches in nanostructured constructs. *Chemical Society Reviews*, **2009**, 38, 1859-67	58.5	282
14	Electron and energy transfer mechanisms to switch the luminescence of semiconductor quantum dots. *Journal of Materials Chemistry*, **2008**, 18, 5577		40
13	Dithiolane ligands for semiconductor quantum dots. *Journal of Materials Chemistry*, **2008**, 18, 3940		11
12	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. *Journal of Materials Chemistry*, **2008**, 18, 2022		31
11	Luminescent chemosensors based on semiconductor quantum dots. *Physical Chemistry Chemical Physics*, **2007**, 9, 2036-43	3.6	106
10	Electroactive Films of Multicomponent Building Blocks. *Advanced Functional Materials*, **2007**, 17, 814-820	15.6	8
9	Nanoparticle-induced transition from positive to negative photochromism. *Inorganica Chimica Acta*, **2007**, 360, 938-944	2.7	40
8	Fluorescence resonance energy transfer in quantum dot-protein kinase assemblies. *Journal of Biomedicine and Biotechnology*, **2007**, 2007, 18081		6
7	A mechanism to signal receptor-substrate interactions with luminescent quantum dots. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11457-60	11.5	129
6	Photochromic nanocomposites of bipyridinium dications and semiconductor quantum dots. *Journal of Materials Chemistry*, **2006**, 16, 1118		16
5	Self-assembling and electrochromic films of bipyridinium building blocks. *Journal of Materials Chemistry*, **2006**, 16, 3171		13
4	A computational study on the amine-oxidation mechanism of monoamine oxidase: insight into the polar nucleophilic mechanism. *Organic and Biomolecular Chemistry*, **2006**, 4, 646-58	3.9	48

3	pH-sensitive quantum dots. *Journal of Physical Chemistry B*, **2006**, 110, 3853-5	3.4	152
2	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. *Australian Journal of Chemistry*, **2006**, 59, 175	1.2	50
1	pH-sensitive ligand for luminescent quantum dots. *Langmuir*, **2006**, 22, 10284-90	4	112