

Yi Wang

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

680
citations

17
h-index

25
g-index

53
ext. papers

990
ext. citations

5
avg, IF

4.28
L-index

#	Paper	IF	Citations
46	Exploring the relationship between the "ON-OFF" mechanism of fluorescent probes and intramolecular charge transfer properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 265, 120339	4.4	2
45	The sensing mechanism of fluorescent probe for PhSH and the process of ESIPT.. <i>Photochemical and Photobiological Sciences</i> , 2022 , 1	4.2	1
44	Theoretical Investigation of Excited-State Intramolecular Double-Proton Transfer Mechanism of Substituent Modified 1, 3-Bis (2-Pyridylimino)-4,7-Dihydroxyisoindole in Dichloromethane Solution. <i>Journal of Computational Biophysics and Chemistry</i> , 2021 , 20, 707-718		1
43	Rapid screening and separation of active compounds against α -amylase from <i>Toona sinensis</i> by ligand fishing and high-speed counter-current chromatography. <i>International Journal of Biological Macromolecules</i> , 2021 , 174, 270-277	7.9	8
42	Investigating the Influence of Electronic Effects of Functional Groups on the Fluorescence Mechanism of Probes in Water Samples. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 2866-2875	2.8	1
41	New insights into the detection mechanism of β -galactosidase in living cells with fluorescent probes. <i>Chemical Physics Letters</i> , 2021 , 773, 138597	2.5	1
40	A novel hydrogel with self-healing property and bactericidal activity. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 484-494	9.3	9
39	Sensing mechanism of a new fluorescent probe for hydrogen sulfide: photoinduced electron transfer and invalidity of excited-state intramolecular proton transfer.. <i>RSC Advances</i> , 2021 , 11, 22214-22220	3.7	1
38	An efficient method based on an inhibitor-enzyme complex to screen an active compound against lipase from. <i>Food and Function</i> , 2021 , 12, 10806-10812	6.1	1
37	Solvent effect on the excited-state intramolecular double proton transfer of 1,3-bis(2-pyridylimino)-4,7-dihydroxyisoindole. <i>Photochemical and Photobiological Sciences</i> , 2021 , 20, 1183-1194	4.2	0
36	The influence of intermolecular hydrogen bonds on single fluorescence mechanism of 1-hydroxy-11H-benzo [b]fluoren-11-one and 10-hydroxy-11H-benzo [b]fluoren-11-one. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 260, 119993	4.4	3
35	Substituents effect on the methanol-assisted excited-state intermolecular proton transfer of 7-Aminoquinoline: A theoretical study. <i>Journal of Molecular Liquids</i> , 2021 , 341, 116920	6	0
34	A novel self-healing triple physical cross-linked hydrogel for antibacterial dressing. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 6844-6855	7.3	5
33	Solvation effect on the ESIPT mechanism of nitrile-substituted -hydroxy-2-phenyl-oxazolines.. <i>RSC Advances</i> , 2021 , 11, 25795-25800	3.7	3
32	Synthesis of papain-polyacrylamide hydrogel microspheres and their catalytic application. <i>New Journal of Chemistry</i> , 2021 , 45, 16696-16704	3.6	0
31	Theoretical study on the ESIPT of fluorescent probe molecules N-(2-(4-(dimethylamino)phenyl)-3-hydroxy-4-oxo-4h -chromen-6-yl) butyramide in different solvents. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113614	6	6
30	The oxidation of cyclo-olefin by the S = 2 ground-state complex [Fe(O)(TQA)(NCMe)]. <i>Journal of Biological Inorganic Chemistry</i> , 2020 , 25, 371-382	3.7	1

29	Novel Nonreleasing Antibacterial Hydrogel Dressing by a One-Pot Method. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1259-1268	5.5	14
28	[FeIV(O)(TMC)(Lax)] ⁿ⁺ for O-transfer reaction: Insight into the steric hindrance effect of the equatorial ligand. <i>Chemical Physics Letters</i> , 2020 , 738, 136858	2.5	
27	A novel floatable composite hydrogel for solar evaporation enhancement. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 221-230	4.2	5
26	A novel catalytic material for hydrolyzing cow's milk allergenic proteins: Papain-Cu(PO)BHO-magnetic nanoflowers. <i>Food Chemistry</i> , 2020 , 311, 125911	8.5	23
25	Multilayer graphite nano-sheet composite hydrogel for solar desalination systems with floatability and recyclability. <i>New Journal of Chemistry</i> , 2020 , 44, 20181-20191	3.6	7
24	A new interpretation of the ESIPT mechanism of 2-(benzimidazol-2-yl)-3-hydroxychromone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 224, 117359	4.4	24
23	Enzyme reaction-guided identification of active components from the flowers of <i>Sophora japonica</i> var. <i>violacea</i> . <i>Food and Function</i> , 2020 , 11, 4356-4362	6.1	4
22	Synthesis of magnetic nanoflower immobilized lipase and its continuous catalytic application. <i>New Journal of Chemistry</i> , 2019 , 43, 11082-11090	3.6	25
21	Synthesis of a novel anti-freezing, non-drying antibacterial hydrogel dressing by one-pot method. <i>Chemical Engineering Journal</i> , 2019 , 372, 216-225	14.7	57
20	A novel composite hydrogel for solar evaporation enhancement at air-water interface. <i>Science of the Total Environment</i> , 2019 , 668, 153-160	10.2	39
19	A novel high-strength poly(ionic liquid)/PVA hydrogel dressing for antibacterial applications. <i>Chemical Engineering Journal</i> , 2019 , 365, 153-164	14.7	79
18	A theoretical study of the ESIPT mechanism of 3-hydroxyflavone derivatives: solvation effect and the importance of TICT for its dual fluorescence properties. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3136-3143	5.2	24
17	Excited-State Proton Transfer Mechanism of 2,6-Diazaindoles[(HO) (n = 2-4) Clusters. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 3988-3995	3.4	33
16	Excited-state intramolecular proton transfer mechanism for 2-(quinolin-2-yl)-3-hydroxychromone: A detailed time-dependent density functional theory study. <i>Journal of Molecular Liquids</i> , 2018 , 260, 447-457	6.6	16
15	Theoretical investigation of twisted charge-transfer-promoted intramolecular proton transfer in the excited state of 4'-dimethylaminoflavonol in a highly polar solvent. <i>Journal of Luminescence</i> , 2018 , 194, 785-790	3.8	33
14	Synthesis and continuous catalytic application of alkaline protease nanoflowers/PVA composite hydrogel. <i>Catalysis Communications</i> , 2018 , 116, 5-9	3.2	19
13	Solvation effect on the ESIPT mechanism of 2-(4'-amino-2'-hydroxyphenyl)-1H-imidazo-[4,5-c]pyridine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 367, 261-269	4.7	27
12	Rational approach to solvent system selection for liquid-liquid extraction-assisted sample pretreatment in counter-current chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1053, 16-19	3.2	14

11	Screening of the potential α -amylase inhibitor in essential oil from Cedrus deodara cones. <i>Industrial Crops and Products</i> , 2017 , 103, 251-256	5.9	13
10	A novel transparent luminous hydrogel with self-healing property. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5738-5744	7.3	34
9	Theoretical study of excited state intramolecular proton transfer (ESIPT) mechanism for a fluorophore in the polar and nonpolar solvents. <i>Journal of Molecular Liquids</i> , 2017 , 233, 303-309	6	35
8	Theoretical investigation of different reactivities of Fe(IV)O and Ru(IV)O complexes with the same ligand topology. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 417-430	1.6	1
7	Theoretical Investigation of an Excited-State Intramolecular Proton-Transfer Mechanism for an Asymmetric Structure of 3,7-Dihydroxy-4-oxo-2-phenyl-4H-chromene-8-carbaldehyde: Single or Double?. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 8807-8814	2.8	42
6	Characterization of active compounds from Gracilaria lemaneiformis inhibiting the protein tyrosine phosphatase 1B activity. <i>Food and Function</i> , 2017 , 8, 3271-3275	6.1	19
5	Theoretical study of excited-state proton transfer of 2,7-diazaindole[(HO) cluster via hydrogen bonding dynamics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 187, 163-167	4.4	17
4	Theoretical study of the effect of ligand topology on Fe(IV)O and Ru(IV)O complex reactivities. <i>Inorganica Chimica Acta</i> , 2016 , 443, 235-242	2.7	2
3	Steric hindrance effect of the equatorial ligand on Fe(IV)O and Ru(IV)O complexes: a density functional study. <i>Journal of Biological Inorganic Chemistry</i> , 2010 , 15, 351-9	3.7	18
2	Theoretical study of cyclohexane hydroxylation by three possible isomers of [FeIV(O)(R-TPEN)] 2+: does the pentadentate ligand wrapping around the metal center differently lead to the different stability and reactivity?. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 533-45	3.7	11
1	A High Performance 2-Hydroxynaphthalene Acylhydrazone Fluorescent Chemosensor for Detection of Al ³⁺ Ions Through ESIPT and PET Signalling Mechanism. <i>Journal of Cluster Science</i> , 1	3	