Xu Fei

List of Publications by Year in Descending Order

42 papers	776 citations	17 h-index	27 g-index
44 ext. papers	1,045 ext. citations	5.6 avg, IF	4.27 L-index

#	Paper	IF	Citations
42	A ionic liquid enhanced conductive hydrogel for strain sensing applications. *Journal of Colloid and Interface Science*, **2022**, 606, 192-203	9.3	13
41	Hydrogen-bonded lipase-hydrogel microspheres for esterification application. *Journal of Colloid and Interface Science*, **2022**, 606, 1229-1238	9.3	1
40	A lipase/poly (ionic liquid)-styrene microspheres/PVA composite hydrogel for esterification application. *Enzyme and Microbial Technology*, **2021**, 152, 109935	3.8	2
39	A novel hydrogel with self-healing property and bactericidal activity. *Journal of Colloid and Interface Science*, **2021**, 584, 484-494	9.3	9
38	Controllable biotransformation of naringin to prunin by naringinase immobilized on functionalized silica. *Journal of Chemical Technology and Biotechnology*, **2021**, 96, 1218-1227	3.5	1
37	A reusable ionic liquid-grafted antibacterial cotton gauze wound dressing. *Journal of Materials Science*, **2021**, 56, 7598-7612	4.3	6
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. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 260, 119993	4.4	3
35	Substituents effect on the methanol-assisted excited-state intermolecular proton transfer of 7-Aminoquinoline: A theoretical study. *Journal of Molecular Liquids*, **2021**, 341, 116920	6	0
34	A novel self-healing triple physical cross-linked hydrogel for antibacterial dressing. *Journal of Materials Chemistry B*, **2021**, 9, 6844-6855	7.3	5
33	Synthesis of papain–polyacrylamide hydrogel microspheres and their catalytic application. *New Journal of Chemistry*, **2021**, 45, 16696-16704	3.6	0
32	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. *Journal of Molecular Liquids*, **2020**, 314, 113614	6	6
31	Novel Nonreleasing Antibacterial Hydrogel Dressing by a One-Pot Method. *ACS Biomaterials Science and Engineering*, **2020**, 6, 1259-1268	5.5	14
30	A novel floatable composite hydrogel for solar evaporation enhancement. *Environmental Science: Water Research and Technology*, **2020**, 6, 221-230	4.2	5
29	A novel catalytic material for hydrolyzing cow's milk allergenic proteins: Papain-Cu(PO)·3HO-magnetic nanoflowers. *Food Chemistry*, **2020**, 311, 125911	8.5	23
28	Multilayer graphite nano-sheet composite hydrogel for solar desalination systems with floatability and recyclability. *New Journal of Chemistry*, **2020**, 44, 20181-20191	3.6	7
27	A new interpretation of the ESIPT mechanism of 2-(benzimidazol-2-yl)-3-hydroxychromone derivatives. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 224, 117359	4.4	24
26	Synthesis of magnetic nanoflower immobilized lipase and its continuous catalytic application. *New Journal of Chemistry*, **2019**, 43, 11082-11090	3.6	25

25	Synthesis of a novel anti-freezing, non-drying antibacterial hydrogel dressing by one-pot method. *Chemical Engineering Journal*, **2019**, 372, 216-225	14.7	57
24	A novel composite hydrogel for solar evaporation enhancement at air-water interface. *Science of the Total Environment*, **2019**, 668, 153-160	10.2	39
23	The study of the characteristics and hydrolysis properties of naringinase immobilized by porous silica material.. *RSC Advances*, **2019**, 9, 4514-4520	3.7	15
22	A novel high-strength poly(ionic liquid)/PVA hydrogel dressing for antibacterial applications. *Chemical Engineering Journal*, **2019**, 365, 153-164	14.7	79
21	A theoretical study of the ESIPT mechanism of 3-hydroxyflavone derivatives: solvation effect and the importance of TICT for its dual fluorescence properties. *Organic Chemistry Frontiers*, **2019**, 6, 3136-3143	5.2	24
20	Excited-State Proton Transfer Mechanism of 2,6-Diazaindoles(HO) (n = 2-4) Clusters. *Journal of Physical Chemistry B*, **2018**, 122, 3988-3995	3.4	33
19	Theoretical investigation of twisted charge-transfer-promoted intramolecular proton transfer in the excited state of 4?-dimethylaminoflavonol in a highly polar solvent. *Journal of Luminescence*, **2018**, 194, 785-790	3.8	33
18	A novel high-strength photoluminescent hydrogel for tissue engineering. *Biomaterials Science*, **2018**, 6, 2320-2326	7.4	7
17	Synthesis and continuous catalytic application of alkaline protease nanoflowers/PVA composite hydrogel. *Catalysis Communications*, **2018**, 116, 5-9	3.2	19
16	Multiscale immobilized lipase for rapid separation and continuous catalysis. *New Journal of Chemistry*, **2018**, 42, 13471-13478	3.6	13
15	A novel high-strength polymer hydrogel with identifiability prepared via a one-pot method. *Polymer Chemistry*, **2017**, 8, 3553-3559	4.9	16
14	A novel transparent luminous hydrogel with self-healing property. *Journal of Materials Chemistry B*, **2017**, 5, 5738-5744	7.3	34
13	Self-assembled hybrid nanomaterials with alkaline protease and a variety of metal ions. *RSC Advances*, **2017**, 7, 48360-48367	3.7	12
12	Theoretical study of excited-state proton transfer of 2,7-diazaindole(HO) cluster via hydrogen bonding dynamics. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 187, 163-167	4.4	17
11	Metal-cladding directly defined active integrated optical waveguide device based on erbium-containing polymer. *RSC Advances*, **2016**, 6, 3224-3230	3.7	8
10	Synthesis and investigation of a novel luminous hydrogel. *Polymer Chemistry*, **2016**, 7, 3766-3772	4.9	17
9	The influence of synthesis conditions on enzymatic activity of enzyme-inorganic hybrid nanoflowers. *Journal of Molecular Catalysis B: Enzymatic*, **2016**, 133, 92-97		38
8	Synthesis and investigation of an erbium-containing photosensitive polymer. *Polymer Chemistry*, **2015**, 6, 5430-5436	4.9	7

7	Self-assembled enzyme-inorganic hybrid nanoflowers and their application to enzyme purification. *Colloids and Surfaces B: Biointerfaces*, **2015**, 130, 299-304	6	79
6	Hierarchical assembly of enzyme-inorganic composite materials with extremely high enzyme activity. *RSC Advances*, **2015**, 5, 96997-97002	3.7	42
5	Synthesis and investigation of a photosensitive, europium-containing polymer. *Reactive and Functional Polymers*, **2014**, 76, 19-25	4.6	7
4	Multilayered TiO2@SnO2 hollow nanostructures: facile synthesis and enhanced photocatalytic performance. *RSC Advances*, **2014**, 4, 59503-59507	3.7	7
3	Enzymatic nitration of the oleic acid derivatives: Synthesis, isolation and characterization. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 98, 87-91		1
2	Highly fluorinated low-molecular-weight photoresists for optical waveguides. *Journal of Polymer Science Part A*, **2011**, 49, 762-769	2.5	20
1	Synthesis of photosensitive poly(methyl methacrylate-co-glycidyl methacrylate) for optical waveguide devices. *Applied Physics A: Materials Science and Processing*, **2010**, 100, 409-414	2.6	7