Yong-Peng Wang

List of Publications by Year
in descending order

46 papers	903 citations	623734 14 h-index	477307 29 g-index
46 all docs	46 docs citations	46 times ranked	1161 citing authors

#	Article	IF	Citations
1	Phosphorus Removal in an Enhanced Biological Phosphorus Removal Process: Roles of Extracellular Polymeric Substances. Environmental Science & Technology, 2013, 47, 11482-11489.	10.0	167
2	A microbial fuel cellâ€“membrane bioreactor integrated system for cost-effective wastewater treatment. Applied Energy, 2012, 98, 230-235.	10.1	153
3	Integration of a microbial fuel cell with activated sludge process for energyâ€saving wastewater treatment: Taking a sequencing batch reactor as an example. Biotechnology and Bioengineering, 2011, 108, 1260-1267.	3.3	72
4	Novel soluble fluorinated poly(ether imide)s with different pendant groups: Synthesis, thermal, dielectric, and optical properties. Journal of Polymer Science Part A, 2010, 48, 3281-3289.	2.3	63
5	Species of phosphorus in the extracellular polymeric substances of EBPR sludge. Bioresource Technology, 2013, 142, 714-718.	9.6	56
6	Calcium effect on the metabolic pathway of phosphorus accumulating organisms in enhanced biological phosphorus removal systems. Water Research, 2015, 84, 171-180.	11.3	45
7	Improving electricity generation and substrate removal of a MFCâ€“SBR system through optimization of COD loading distribution. Biochemical Engineering Journal, 2014, 85, 15-20.	3.6	25
8	Electrospun Mn2O3 nanowrinkles and Mn3O4 nanorods: Morphology and catalytic application. Applied Surface Science, 2014, 313, 360-367.	6.1	24
9	Synthesis, characterization, and photoresponsive behavior of a series of azobenzene-containing side-chain poly(ether sulfone)s with various lengths of flexible spacers. Dyes and Pigments, 2013, 99, 1117-1123.	3.7	23
10	The theoretical study of substituent and charge effects in the conformational transformation process of molecular machine unit spiropyran. Organic Electronics, 2017, 45, 33-41.	2.6	22
11	A biodegradable core-sheath nanofibrous 3D hierarchy prepared by emulsion electrospinning for sustained drug release. Journal of Materials Science, 2020, 55, 16730-16743.	3.7	19
12	Preparation and characterization of multilayer NiO nano-products via electrospinning. Applied Surface Science, 2013, 284, 453-458.	6.1	16
13	Preparation and properties of film materials of poly(aryl ether ketone)-based phthalonitrile resins. Polymer Engineering and Science, 2015, 55, 2313-2321.	3.1	16
14	Theoretical study on thermal cis -to- trans isomerization of BF 2 -coordinated azo compounds of the para-substitution with electron donating groups. Dyes and Pigments, 2016, 129, 100-108.	3.7	15
15	Pyrene-functionalized PAEKs prepared from Câ€“H borylation and Suzuki coupling reactions for the dispersion of single-walled carbon nanotubes. Composites Science and Technology, 2017, 143, 82-88.	7.8	15
16	Sensitive and selective non-enzymatic glucose detection using electrospun porous CuOâ€“CdO composite nanofibers. Journal of Materials Science, 2019, 54, 3354-3367.	3.7	15
17	Synthesis and photoresponsive behaviors of novel poly(arylene ether)s with di-azobenzene pendants. Reactive and Functional Polymers, 2011, 71, 553-560.	4.1	11
18	Electrospun carboxylic-functionalized poly(arylene ether ketone) ultrafine fibers. High Performance Polymers, 2015, 27, 939-949.	1.8	11

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19	Function of NaOH hydrolysis in electrospinning ZnO nanofibers via using polylactide as templates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 187, 89-95.	3.5	10
20	Aluminium borate whiskers grafted with boric acid containing poly(ether ether ketone) as a reinforcing agent for the preparation of poly(ether ether ketone) composites. RSC Advances, 2015, 5, 100856-100864.	3.6	10
21	Roles of 3,3â€²,4â€²,5-tetrachlorosalicylanilide in regulating extracellular electron transfer of Shewanella oneidensis MR-1. Scientific Reports, 2015, 5, 7991.	3.3	9
22	Characterization of uranium in the extracellular polymeric substances of anaerobic granular sludge used to treat uranium-contaminated groundwater. RSC Advances, 2017, 7, 54188-54195.	3.6	9
23	Uranium speciation and distribution in Shewanella putrefaciens and anaerobic granular sludge in the uranium immobilization process. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 393-405.	1.5	9
24	Self-cleaning and Oil/Water Separation of 3D Network Super-hydrophobic Bead-like Fluorinated Silica Pellets/Poly(aryl ether ketone) Composite Membrane Fabricated via a Facile One-step Electrospinning. Chemical Research in Chinese Universities, 2020, 36, 1320-1325.	2.6	8
25	Investigations on the tribological properties of poly(arylene ether ketone) copolymer with 3-(trifluoromethyl) phenyl pendants and biphenyl units. High Performance Polymers, 2014, 26, 247-254.	1.8	7
26	A non-enzymatic glucose sensor based on electrospun 3-D copper oxide micro-nanofiber network films using carboxylic-functionalized poly(arylene ether ketone)s as templates. RSC Advances, 2019, 9, 6613-6619.	3.6	7
27	Controlled stimulationâ€burst targeted release by pHâ€sensitive HPMCAS/theophylline composite nanofibers fabricated through electrospinning. Journal of Applied Polymer Science, 2020, 137, 48383.	2.6	6
28	Roles of extracellular polymeric substances in uranium immobilization by anaerobic sludge. AMB Express, 2019, 9, 199.	3.0	6
29	Effects of biphenyl groups on the dry sliding behavior of poly (ether-ether-ketone-ketone) copolymers against stainless steel. Materials and Design, 2018, 158, 39-45.	7.0	5
30	Ternary Ag nanoparticles/natural-magnetic SiO2-nanowires/reduced graphene oxide nanocomposites with highly visible photocatalytic activity for 4-nitrophenol reduction. SN Applied Sciences, 2019, 1, 1.	2.9	5
31	The performances of modified single-walled carbon nanotubes/poly(ether ether ketone) composites prepared by solution blending and melt blending. High Performance Polymers, 2020, 32, 276-285.	1.8	5
32	Synthesis, characterization and photoresponsive behaviour of a series of azobenzene-containing poly(ether sulfone)s with high glass transition temperatures. High Performance Polymers, 2014, 26, 946-952.	1.8	4
33	Electrospun porous hybrid CuO/CdO nanofibers using carboxylic-functionalized poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	4
34	3D network super-hydrophobic hexafluorbisphenol A poly(aryl ether ketone) membrane prepared by one-step electrospraying. High Performance Polymers, 2020, 32, 1094-1101.	1.8	4
35	Observing the Biologically Induced Phosphate Precipitation by Sludge Extracellular Polymeric Substances in Enhanced Biological Phosphorus Removal. ACS ES&T Engineering, 2022, 2, 1514-1522.	7.6	4
36	Construction of OH-functionalized MWCNT/solid waste composites with tubular/spherical heterostructures for enhanced electromagnetic wave absorption property. RSC Advances, 2022, 12, 16003-16013.	3.6	4

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37	High-effective preparation of ultrafine poly-(<scp>l</scp>-lactide-co-âˆ-caprolactone-diOH) fibers containing silver nanoparticles. High Performance Polymers, 2014, 26, 483-487.	1.8	3
38	Synthesis and properties of a novel poly(aryl ether sulfone) functionalized with pinacol phenylboronate pendants. High Performance Polymers, 2014, 26, 408-412.	1.8	3
39	The mechanical and frictional properties of poly(ether ether ketone) composites with modified aluminum borate whiskers. High Performance Polymers, 2018, 30, 1048-1055.	1.8	3
40	Effect of barium-containing glass filler reinforcement on shear bond strength of poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.8	2
41	Tuning microbial electrogenic activity by uncouplers. Process Biochemistry, 2016, 51, 1885-1889.	3.7	2
42	Nanocontrollers for In Vitro Drug Release Based on Coreâ€Sheath Encapsulation of Theophylline into Hydroxypropyl Methylcellulose Acetate Succinate Nanofibers. Journal of Vinyl and Additive Technology, 2020, 26, 566-576.	3.4	2
43	A novel water-soluble phthalocyanine-based organic molecule for the effective NIR triggered dual phototherapy of cancer. New Journal of Chemistry, 2022, 46, 6353-6359.	2.8	2
44	Preparation and properties of novel boric acid modified poly(aryl ether sulfone) membranes. Journal of Applied Polymer Science, 2014, 131, .	2.6	1
45	Desorption behavior of U(VI) from kaolinite and hematite by Shewanella putrefaciens cells and extracellular polymeric substances. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 1555-1569.	1.5	1
46	SYNTHESIS AND CHARACTERIZATION OF POLY(ARYLENE ETHER SULFONE) CONTAINING ANTHRAQUINONE MOIETIES. Acta Polymerica Sinica, 2012, 012, 503-507.	0.0	0