Shuhui Li

List of Publications by Year in Descending Order

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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.

43 papers	4,263 citations	26 h-index	45 g-index
45 ext. papers	5,162 ext. citations	9.4 avg, IF	5.78 L-index

#	Paper	IF	Citations
43	pH-responsive laminar WSe2 membrane with photocatalytic antifouling property for ultrafast water transport. *Chemical Engineering Journal*, **2022**, 435, 135159	14.7	3
42	Magnetic responsive and flexible composite superhydrophobic photothermal film for passive anti-icing/active deicing. *Chemical Engineering Journal*, **2022**, 427, 130922	14.7	23
41	A dual-biomimetic knitted fabric with a manipulable structure and wettability for highly efficient fog harvesting. *Journal of Materials Chemistry A*, **2021**, 10, 304-312	13	4
40	Robust Superhydrophobic rGO/PPy/PDMS Coatings on a Polyurethane Sponge for Underwater Pressure and Temperature Sensing. *ACS Applied Materials & Interfaces*, **2021**,	9.5	7
39	Advanced Materials with Special Wettability toward Intelligent Oily Wastewater Remediation. *ACS Applied Materials & Interfaces*, **2021**, 13, 67-87	9.5	57
38	Underwater, Multifunctional Superhydrophobic Sensor for Human Motion Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 4740-4749	9.5	26
37	A multifunctional and environmentally-friendly method to fabricate superhydrophilic and self-healing coatings for sustainable antifogging. *Chemical Engineering Journal*, **2021**, 409, 128228	14.7	9
36	Solar-assisted isotropically thermoconductive sponge for highly viscous crude oil spill remediation. *IScience*, **2021**, 24, 102665	6.1	9
35	Namib desert beetle inspired special patterned fabric with programmable and gradient wettability for efficient fog harvesting. *Journal of Materials Science and Technology*, **2021**, 61, 85-92	9.1	30
34	Photothermal and Joule heating-assisted thermal management sponge for efficient cleanup of highly viscous crude oil. *Journal of Hazardous Materials*, **2021**, 403, 124090	12.8	39
33	Bioinspired structural and functional designs towards interfacial solar steam generation for clean water production. *Materials Chemistry Frontiers*, **2021**, 5, 1510-1524	7.8	14
32	A sandwich-like structured superhydrophobic fabric for versatile and highly efficient emulsion separation. *Separation and Purification Technology*, **2021**, 275, 119253	8.3	4
31	Noble-metal-free metallic MoC combined with CdS for enhanced visible-light-driven photocatalytic hydrogen evolution. *Journal of Cleaner Production*, **2021**, 322, 129018	10.3	9
30	An effective and low-consumption foam finishing strategy for robust functional fabrics with on-demand special wettability. *Chemical Engineering Journal*, **2021**, 426, 131245	14.7	8
29	TiO2 nanotube arrays decorated with Au and Bi2S3 nanoparticles for efficient Fe3+ ions detection and dye photocatalytic degradation. *Journal of Materials Science and Technology*, **2020**, 39, 28-38	9.1	20
28	A self-roughened and biodegradable superhydrophobic coating with UV shielding, solar-induced self-healing and versatile oil–water separation ability. *Journal of Materials Chemistry A*, **2019**, 7, 2122-2128	13	156
27	In vivo and in vitro efficient textile wastewater remediation by Aspergillus niger biosorbent. *Nanoscale Advances*, **2019**, 1, 168-176	5.1	18

26	Aerosol-assisted chemical vapour deposition of transparent superhydrophobic film by using mixed functional alkoxysilanes. *Scientific Reports*, **2019**, 9, 7549	4.9	21
25	Robust amphiprotic konjac glucomannan cross-linked chitosan aerogels for efficient water remediation. *Cellulose*, **2019**, 26, 6785-6796	5.5	13
24	A novel strategy for fabricating robust superhydrophobic fabrics by environmentally-friendly enzyme etching. *Chemical Engineering Journal*, **2019**, 355, 290-298	14.7	120
23	Recent Progress of Polysaccharide-Based Hydrogel Interfaces for Wound Healing and Tissue Engineering. *Advanced Materials Interfaces*, **2019**, 6, 1900761	4.6	103
22	Recent Advances of Multifunctional Cellulose-Based Hydrogels. *Polymers and Polymeric Composites*, **2019**, 37-64	0.6	1
21	Defective black Ti3+ self-doped TiO2 and reduced graphene oxide composite nanoparticles for boosting visible-light driven photocatalytic and photoelectrochemical activity. *Applied Surface Science*, **2019**, 467-468, 45-55	6.7	49
20	Rational construction of highly transparent superhydrophobic coatings based on a non-particle, fluorine-free and water-rich system for versatile oil-water separation. *Chemical Engineering Journal*, **2018**, 333, 621-629	14.7	160
19	Efficiently texturing hierarchical superhydrophobic fluoride-free translucent films by AACVD with excellent durability and self-cleaning ability. *Journal of Materials Chemistry A*, **2018**, 6, 17633-17641	13	80
18	Mechanically Resistant and Sustainable Cellulose-Based Composite Aerogels with Excellent Flame Retardant, Sound-Absorption, and Superantiwetting Ability for Advanced Engineering Materials. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 927-936	8.3	77
17	Understanding the Role of Dynamic Wettability for Condensate Microdrop Self-Propelling Based on Designed Superhydrophobic TiO Nanostructures. *Small*, **2017**, 13, 1600687	11	89
16	Facile construction of robust fluorine-free superhydrophobic TiO 2 @fabrics with excellent anti-fouling, water-oil separation and UV-protective properties. *Materials and Design*, **2017**, 128, 1-8	8.1	86
15	Rational design of multi-layered superhydrophobic coating on cotton fabrics for UV shielding, self-cleaning and oil-water separation. *Materials and Design*, **2017**, 134, 342-351	8.1	119
14	A review on special wettability textiles: theoretical models, fabrication technologies and multifunctional applications. *Journal of Materials Chemistry A*, **2017**, 5, 31-55	13	394
13	One-dimensional TiO Nanotube Photocatalysts for Solar Water Splitting. *Advanced Science*, **2017**, 4, 1600152	13.6	295
12	Durable antibacterial and UV-protective Ag/TiO@ fabrics for sustainable biomedical application. *International Journal of Nanomedicine*, **2017**, 12, 2593-2606	7.3	66
11	A review of one-dimensional TiO2 nanostructured materials for environmental and energy applications. *Journal of Materials Chemistry A*, **2016**, 4, 6772-6801	13	655
10	In situ plasmonic Ag nanoparticle anchored TiO2 nanotube arrays as visible-light-driven photocatalysts for enhanced water splitting. *Nanoscale*, **2016**, 8, 5226-34	7.7	208
9	Synthesis, modification, and photo/photoelectrocatalytic degradation applications of TiO2 nanotube arrays: a review. *Nanotechnology Reviews*, **2016**, 5,	6.3	95

8	Robust fluorine-free superhydrophobic PDMS□rmosil@fabrics for highly effective self-cleaning and efficient oil□water separation. *Journal of Materials Chemistry A*, **2016**, 4, 12179-12187	13	336
7	Controlled grafting superhydrophobic cellulose surface with environmentally-friendly short fluoroalkyl chains by ATRP. *Materials and Design*, **2015**, 85, 815-822	8.1	55
6	TiO2 nanotube arrays loaded with reduced graphene oxide films: facile hybridization and promising photocatalytic application. *Journal of Materials Chemistry A*, **2015**, 3, 3491-3499	13	81
5	Robust Flower-Like TiO2@Cotton Fabrics with Special Wettability for Effective Self-Cleaning and Versatile Oil/Water Separation. *Advanced Materials Interfaces*, **2015**, 2, 1500220	4.6	148
4	Enhanced photocatalytic performances of n-TiO□anotubes by uniform creation of p-n heterojunctions with p-Bi□□quantum dots. *Nanoscale*, **2015**, 7, 11552-60	7.7	102
3	Robust superhydrophobic TiO2@fabrics for UV shielding, self-cleaning and oil□water separation. *Journal of Materials Chemistry A*, **2015**, 3, 2825-2832	13	396
2	Controllable wettability and adhesion on bioinspired multifunctional TiO2 nanostructure surfaces for liquid manipulation. *Journal of Materials Chemistry A*, **2014**, 2, 18531-18538	13	76
1	Rational construction of superhydrophobic PDMS/PTW@cotton fabric for efficient UV/NIR light shielding. *Cellulose*,1	5.5	0