

List of Publications by Citations

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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	A review of one-dimensional TiO ₂ nanostructured materials for environmental and energy applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6772-6801	13	655
42	Robust superhydrophobic TiO ₂ @fabrics for UV shielding, self-cleaning and oil/water separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2825-2832	13	396
41	A review on special wettability textiles: theoretical models, fabrication technologies and multifunctional applications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 31-55	13	394
40	Robust fluorine-free superhydrophobic PDMS@brasil@fabrics for highly effective self-cleaning and efficient oil/water separation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12179-12187	13	336
39	One-dimensional TiO Nanotube Photocatalysts for Solar Water Splitting. <i>Advanced Science</i> , 2017 , 4, 1600152	13.2	295
38	In situ plasmonic Ag nanoparticle anchored TiO ₂ nanotube arrays as visible-light-driven photocatalysts for enhanced water splitting. <i>Nanoscale</i> , 2016 , 8, 5226-34	7.7	208
37	Rational construction of highly transparent superhydrophobic coatings based on a non-particle, fluorine-free and water-rich system for versatile oil-water separation. <i>Chemical Engineering Journal</i> , 2018 , 333, 621-629	14.7	160
36	A self-roughened and biodegradable superhydrophobic coating with UV shielding, solar-induced self-healing and versatile oil/water separation ability. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2122-2128	13	156
35	Robust Flower-Like TiO ₂ @Cotton Fabrics with Special Wettability for Effective Self-Cleaning and Versatile Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500220	4.6	148
34	A novel strategy for fabricating robust superhydrophobic fabrics by environmentally-friendly enzyme etching. <i>Chemical Engineering Journal</i> , 2019 , 355, 290-298	14.7	120
33	Rational design of multi-layered superhydrophobic coating on cotton fabrics for UV shielding, self-cleaning and oil-water separation. <i>Materials and Design</i> , 2017 , 134, 342-351	8.1	119
32	Recent Progress of Polysaccharide-Based Hydrogel Interfaces for Wound Healing and Tissue Engineering. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900761	4.6	103
31	Enhanced photocatalytic performances of n-TiO ₂ nanotubes by uniform creation of p-n heterojunctions with p-BiO ₂ quantum dots. <i>Nanoscale</i> , 2015 , 7, 11552-60	7.7	102
30	Synthesis, modification, and photo/photoelectrocatalytic degradation applications of TiO ₂ nanotube arrays: a review. <i>Nanotechnology Reviews</i> , 2016 , 5,	6.3	95
29	Understanding the Role of Dynamic Wettability for Condensate Microdrop Self-Propelling Based on Designed Superhydrophobic TiO Nanostructures. <i>Small</i> , 2017 , 13, 1600687	11	89
28	Facile construction of robust fluorine-free superhydrophobic TiO ₂ @fabrics with excellent anti-fouling, water-oil separation and UV-protective properties. <i>Materials and Design</i> , 2017 , 128, 1-8	8.1	86
27	TiO ₂ nanotube arrays loaded with reduced graphene oxide films: facile hybridization and promising photocatalytic application. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3491-3499	13	81

26	Efficiently texturing hierarchical superhydrophobic fluoride-free translucent films by AACVD with excellent durability and self-cleaning ability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17633-17641	13	80
25	Mechanically Resistant and Sustainable Cellulose-Based Composite Aerogels with Excellent Flame Retardant, Sound-Absorption, and Superantiwetting Ability for Advanced Engineering Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 927-936	8.3	77
24	Controllable wettability and adhesion on bioinspired multifunctional TiO ₂ nanostructure surfaces for liquid manipulation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18531-18538	13	76
23	Durable antibacterial and UV-protective Ag/TiO ₂ @ fabrics for sustainable biomedical application. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2593-2606	7.3	66
22	Advanced Materials with Special Wettability toward Intelligent Oily Wastewater Remediation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 67-87	9.5	57
21	Controlled grafting superhydrophobic cellulose surface with environmentally-friendly short fluoroalkyl chains by ATRP. <i>Materials and Design</i> , 2015 , 85, 815-822	8.1	55
20	Defective black Ti ³⁺ self-doped TiO ₂ and reduced graphene oxide composite nanoparticles for boosting visible-light driven photocatalytic and photoelectrochemical activity. <i>Applied Surface Science</i> , 2019 , 467-468, 45-55	6.7	49
19	Photothermal and Joule heating-assisted thermal management sponge for efficient cleanup of highly viscous crude oil. <i>Journal of Hazardous Materials</i> , 2021 , 403, 124090	12.8	39
18	Namib desert beetle inspired special patterned fabric with programmable and gradient wettability for efficient fog harvesting. <i>Journal of Materials Science and Technology</i> , 2021 , 61, 85-92	9.1	30
17	Underwater, Multifunctional Superhydrophobic Sensor for Human Motion Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4740-4749	9.5	26
16	Magnetic responsive and flexible composite superhydrophobic photothermal film for passive anti-icing/active deicing. <i>Chemical Engineering Journal</i> , 2022 , 427, 130922	14.7	23
15	Aerosol-assisted chemical vapour deposition of transparent superhydrophobic film by using mixed functional alkoxysilanes. <i>Scientific Reports</i> , 2019 , 9, 7549	4.9	21
14	TiO ₂ nanotube arrays decorated with Au and Bi ₂ S ₃ nanoparticles for efficient Fe ³⁺ ions detection and dye photocatalytic degradation. <i>Journal of Materials Science and Technology</i> , 2020 , 39, 28-38	9.1	20
13	In vivo and in vitro efficient textile wastewater remediation by <i>Aspergillus niger</i> biosorbent. <i>Nanoscale Advances</i> , 2019 , 1, 168-176	5.1	18
12	Bioinspired structural and functional designs towards interfacial solar steam generation for clean water production. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1510-1524	7.8	14
11	Robust amphiprotic konjac glucomannan cross-linked chitosan aerogels for efficient water remediation. <i>Cellulose</i> , 2019 , 26, 6785-6796	5.5	13
10	A multifunctional and environmentally-friendly method to fabricate superhydrophilic and self-healing coatings for sustainable antifogging. <i>Chemical Engineering Journal</i> , 2021 , 409, 128228	14.7	9
9	Solar-assisted isotropically thermoconductive sponge for highly viscous crude oil spill remediation. <i>IScience</i> , 2021 , 24, 102665	6.1	9

8	Noble-metal-free metallic MoC combined with CdS for enhanced visible-light-driven photocatalytic hydrogen evolution. <i>Journal of Cleaner Production</i> , 2021 , 322, 129018	10.3	9
7	An effective and low-consumption foam finishing strategy for robust functional fabrics with on-demand special wettability. <i>Chemical Engineering Journal</i> , 2021 , 426, 131245	14.7	8
6	Robust Superhydrophobic rGO/PPy/PDMS Coatings on a Polyurethane Sponge for Underwater Pressure and Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	7
5	A dual-biomimetic knitted fabric with a manipulable structure and wettability for highly efficient fog harvesting. <i>Journal of Materials Chemistry A</i> , 2021 , 10, 304-312	13	4
4	A sandwich-like structured superhydrophobic fabric for versatile and highly efficient emulsion separation. <i>Separation and Purification Technology</i> , 2021 , 275, 119253	8.3	4
3	pH-responsive laminar WSe ₂ membrane with photocatalytic antifouling property for ultrafast water transport. <i>Chemical Engineering Journal</i> , 2022 , 435, 135159	14.7	3
2	Recent Advances of Multifunctional Cellulose-Based Hydrogels. <i>Polymers and Polymeric Composites</i> , 2019 , 37-64	0.6	1
1	Rational construction of superhydrophobic PDMS/PTW@cotton fabric for efficient UV/NIR light shielding. <i>Cellulose</i> , ¹	5.5	0