

Peng Wang

List of Publications by Year in descending order

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133
papers

17,056
citations

17440

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143
all docs

143
docs citations

143
times ranked

18966
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene Ti ₃ C ₂ : An Effective 2D Light-to-Heat Conversion Material. ACS Nano, 2017, 11, 3752-3759.	14.6	1,258
2	Hydrophobic Light-to-Heat Conversion Membranes with Self-Healing Ability for Interfacial Solar Heating. Advanced Materials, 2015, 27, 4889-4894.	21.0	821
3	Recent advances in membrane distillation processes: Membrane development, configuration design and application exploring. Journal of Membrane Science, 2015, 474, 39-56.	8.2	740
4	Plasmonic Gold Nanocrystals Coupled with Photonic Crystal Seamlessly on TiO ₂ Nanotube Photoelectrodes for Efficient Visible Light Photoelectrochemical Water Splitting. Nano Letters, 2013, 13, 14-20.	9.1	692
5	Titanium Dioxide Nanomaterials for Photovoltaic Applications. Chemical Reviews, 2014, 114, 10095-10130.	47.7	669
6	A 3D Photothermal Structure toward Improved Energy Efficiency in Solar Steam Generation. Joule, 2018, 2, 1171-1186.	24.0	527
7	Cerium oxidation state in ceria nanoparticles studied with X-ray photoelectron spectroscopy and absorption near edge spectroscopy. Surface Science, 2004, 563, 74-82.	1.9	518
8	Smart surfaces with switchable superoleophilicity and superoleophobicity in aqueous media: toward controllable oil/water separation. NPG Asia Materials, 2012, 4, e8-e8.	7.9	441
9	Self-Floating Carbon Nanotube Membrane on Macroporous Silica Substrate for Highly Efficient Solar-Driven Interfacial Water Evaporation. ACS Sustainable Chemistry and Engineering, 2016, 4, 1223-1230.	6.7	440
10	Highly stable copper oxide composite as an effective photocathode for water splitting via a facile electrochemical synthesis strategy. Journal of Materials Chemistry, 2012, 22, 2456-2464.	6.7	438
11	Carbon-Layer-Protected Cuprous Oxide Nanowire Arrays for Efficient Water Reduction. ACS Nano, 2013, 7, 1709-1717.	14.6	380
12	Optimization of photoelectrochemical water splitting performance on hierarchical TiO ₂ nanotube arrays. Energy and Environmental Science, 2012, 5, 6506.	30.8	310
13	Inkjet printing for direct micropatterning of a superhydrophobic surface: toward biomimetic fog harvesting surfaces. Journal of Materials Chemistry A, 2015, 3, 2844-2852.	10.3	293
14	Emerging investigator series: the rise of nano-enabled photothermal materials for water evaporation and clean water production by sunlight. Environmental Science: Nano, 2018, 5, 1078-1089.	4.3	269
15	Hybrid Hydrogel with High Water Vapor Harvesting Capacity for Deployable Solar-Driven Atmospheric Water Generator. Environmental Science & Technology, 2018, 52, 11367-11377.	10.0	264
16	Rational design of a bi-layered reduced graphene oxide film on polystyrene foam for solar-driven interfacial water evaporation. Journal of Materials Chemistry A, 2017, 5, 16212-16219.	10.3	259
17	A self-cleaning underwater superoleophobic mesh for oil-water separation. Scientific Reports, 2013, 3, 2326.	3.3	252
18	Solar Evaporator with Controlled Salt Precipitation for Zero Liquid Discharge Desalination. Environmental Science & Technology, 2018, 52, 11822-11830.	10.0	249

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19	A General Approach to Mesoporous Metal Oxide Microspheres Loaded with Noble Metal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6406-6410.	13.8	237
20	Two-Dimensional Ti ₃ C ₂ T _x MXene Membranes as Nanofluidic Osmotic Power Generators. <i>ACS Nano</i> , 2019, 13, 8917-8925.	14.6	235
21	Simultaneous production of fresh water and electricity via multistage solar photovoltaic membrane distillation. <i>Nature Communications</i> , 2019, 10, 3012.	12.8	233
22	Synthesis of mesoporous magnetic $\hat{1}^3$ -Fe ₂ O ₃ and its application to Cr(VI) removal from contaminated water. <i>Water Research</i> , 2009, 43, 3727-3734.	11.3	231
23	(Gold Core)@(Ceria Shell) Nanostructures for Plasmon-Enhanced Catalytic Reactions under Visible Light. <i>ACS Nano</i> , 2014, 8, 8152-8162.	14.6	230
24	Nature-Inspired, 3D Origami Solar Steam Generator toward Near Full Utilization of Solar Energy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28517-28524.	8.0	210
25	Improving atmospheric water production yield: Enabling multiple water harvesting cycles with nano sorbent. <i>Nano Energy</i> , 2020, 67, 104255.	16.0	203
26	Hierarchical Top-Porous/Bottom-Tubular TiO ₂ Nanostructures Decorated with Pd Nanoparticles for Efficient Photoelectrocatalytic Decomposition of Synergistic Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 990-996.	8.0	198
27	A highly flexible and washable nonwoven photothermal cloth for efficient and practical solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7942-7949.	10.3	182
28	A facile approach for the synthesis of monolithic hierarchical porous carbons " high performance materials for amine based CO ₂ capture and supercapacitor electrode. <i>Energy and Environmental Science</i> , 2013, 6, 1785.	30.8	181
29	(Gold core)/(titania shell) nanostructures for plasmon-enhanced photon harvesting and generation of reactive oxygen species. <i>Energy and Environmental Science</i> , 2014, 7, 3431-3438.	30.8	180
30	Solar-thermal conversion and thermal energy storage of graphene foam-based composites. <i>Nanoscale</i> , 2016, 8, 14600-14607.	5.6	179
31	Rational design of nanomaterials for water treatment. <i>Nanoscale</i> , 2015, 7, 17167-17194.	5.6	176
32	Full Biomass-Derived Solar Stills for Robust and Stable Evaporation To Collect Clean Water from Various Water-Bearing Media. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10672-10679.	8.0	176
33	Electrochemical reduction induced self-doping of Ti ³⁺ for efficient water splitting performance on TiO ₂ based photoelectrodes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15637.	2.8	174
34	Three-dimensional assemblies of graphene prepared by a novel chemical reduction-induced self-assembly method. <i>Nanoscale</i> , 2012, 4, 7038.	5.6	171
35	A facile strategy for the fabrication of a bioinspired hydrophilic"superhydrophobic patterned surface for highly efficient fog-harvesting. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18963-18969.	10.3	171
36	Multi-functional 3D honeycomb ceramic plate for clean water production by heterogeneous photo-Fenton reaction and solar-driven water evaporation. <i>Nano Energy</i> , 2019, 60, 222-230.	16.0	157

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37	Photovoltaic panel cooling by atmospheric water sorption–evaporation cycle. <i>Nature Sustainability</i> , 2020, 3, 636-643.	23.7	153
38	Solar-assisted fast cleanup of heavy oil spills using a photothermal sponge. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9192-9199.	10.3	151
39	Harvesting Water from Air: Using Anhydrous Salt with Sunlight. <i>Environmental Science & Technology</i> , 2018, 52, 5398-5406.	10.0	145
40	Embedment of anodized p-type Cu ₂ O thin films with CuO nanowires for improvement in photoelectrochemical stability. <i>Nanoscale</i> , 2013, 5, 2952.	5.6	144
41	Spectrally Selective Smart Window with High Near-Infrared Light Shielding and Controllable Visible Light Transmittance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39819-39827.	8.0	136
42	Designing a Next generation solar crystallizer for real seawater brine treatment with zero liquid discharge. <i>Nature Communications</i> , 2021, 12, 998.	12.8	136
43	Fabrication and characterization of novel asymmetric polyvinylidene fluoride (PVDF) membranes by the nonsolvent thermally induced phase separation (NTIPS) method for membrane distillation applications. <i>Journal of Membrane Science</i> , 2015, 489, 160-174.	8.2	124
44	Remotely Controllable Liquid Marbles. <i>Advanced Materials</i> , 2012, 24, 4756-4760.	21.0	115
45	Magnetic Permanently Confined Micelle Arrays for Treating Hydrophobic Organic Compound Contamination. <i>Journal of the American Chemical Society</i> , 2009, 131, 182-188.	13.7	113
46	Assessment of the UV/Chlorine Process in the Disinfection of <i>Pseudomonas aeruginosa</i> : Efficiency and Mechanism. <i>Environmental Science & Technology</i> , 2021, 55, 9221-9230.	10.0	109
47	Enhanced Environmental Mobility of Carbon Nanotubes in the Presence of Humic Acid and Their Removal from Aqueous Solution. <i>Small</i> , 2008, 4, 2166-2170.	10.0	105
48	Microwave-Assisted Self-Doping of TiO ₂ Photonic Crystals for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 691-696.	8.0	97
49	Salting-in Effect of Zwitterionic Polymer Hydrogel Facilitates Atmospheric Water Harvesting. , 2022, 4, 511-520.		94
50	Vastly Enhanced BiVO ₄ Photocatalytic OER Performance by NiCoO ₂ as Cocatalyst. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700540.	3.7	92
51	Photothermoelectric Response of Ti ₃ C ₂ T _x MXene Confined Ion Channels. <i>ACS Nano</i> , 2020, 14, 9042-9049.	14.6	86
52	Dual-template engineering of triple-layered nanoarray electrode of metal chalcogenides sandwiched with hydrogen-substituted graphdiyne. <i>Nature Communications</i> , 2018, 9, 3132.	12.8	85
53	Omniphobic Nanofibrous Membrane with Pine-Needle-Like Hierarchical Nanostructures: Toward Enhanced Performance for Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47963-47971.	8.0	80
54	Natural and Engineered Nano and Colloidal Transport: Role of Zeta Potential in Prediction of Particle Deposition. <i>Langmuir</i> , 2009, 25, 6856-6862.	3.5	79

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55	Palladium Nanoparticles Encapsulated in Core-Shell Silica: A Structured Hydrogenation Catalyst with Enhanced Activity for Reduction of Oxyanion Water Pollutants. <i>ACS Catalysis</i> , 2014, 4, 3551-3559.	11.2	79
56	Electrodeposited Cu ₂ O as Photoelectrodes with Controllable Conductivity Type for Solar Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26275-26282.	3.1	79
57	Integrated solar-driven PV cooling and seawater desalination with zero liquid discharge. <i>Joule</i> , 2021, 5, 1873-1887.	24.0	78
58	Synthesis of ultra-small platinum, palladium and gold nanoparticles by <i>Shewanella loihica</i> PV-4 electrochemically active biofilms and their enhanced catalytic activities. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 919-929.	5.2	75
59	Sorption and desorption of atrazine and diuron onto water dispersible soil primary size fractions. <i>Water Research</i> , 2009, 43, 1448-1456.	11.3	73
60	Particle-Size Dependent Sorption and Desorption of Pesticides within a Water-Soil-Nonionic Surfactant System. <i>Environmental Science & Technology</i> , 2008, 42, 3381-3387.	10.0	72
61	Removal of co-present chromate and arsenate by zero-valent iron in groundwater with humic acid and bicarbonate. <i>Water Research</i> , 2009, 43, 2540-2548.	11.3	71
62	Sunlight Induced Rapid Oil Absorption and Passive Room-Temperature Release: An Effective Solution toward Heavy Oil Spill Cleanup. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800412.	3.7	68
63	Solvent-thermal induced roughening: A novel and versatile method to prepare superhydrophobic membranes. <i>Journal of Membrane Science</i> , 2018, 564, 465-472.	8.2	68
64	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 99-107.	9.4	66
65	Solar Seawater Distillation by Flexible and Fully Passive Multistage Membrane Distillation. <i>Nano Letters</i> , 2021, 21, 5068-5074.	9.1	66
66	Synthesis and Application of Magnetic Hydrogel for Cr(VI) Removal from Contaminated Water. <i>Environmental Engineering Science</i> , 2010, 27, 947-954.	1.6	64
67	Metal- and halide-free, solid-state polymeric water vapor sorbents for efficient water-sorption-driven cooling and atmospheric water harvesting. <i>Materials Horizons</i> , 2021, 8, 1518-1527.	12.2	60
68	Efficient and Anisotropic Fog Harvesting on a Hybrid and Directional Surface. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600801.	3.7	58
69	On different photodecomposition behaviors of rhodamine B on laponite and montmorillonite clay under visible light irradiation. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 308-316.	5.2	57
70	Introducing a protective interlayer of TiO ₂ in Cu ₂ O-CuO heterojunction thin film as a highly stable visible light photocathode. <i>RSC Advances</i> , 2015, 5, 5231-5236.	3.6	55
71	Intelligent environmental nanomaterials. <i>Environmental Science: Nano</i> , 2018, 5, 811-836.	4.3	54
72	Tannin-inspired robust fabrication of superwettability membranes for highly efficient separation of oil-in-water emulsions and immiscible oil/water mixtures. <i>Separation and Purification Technology</i> , 2019, 227, 115657.	7.9	54

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73	Hollow spherical SiO ₂ micro-container encapsulation of LiCl for high-performance simultaneous heat reallocation and seawater desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1887-1895.	10.3	53
74	A Robust CuCr ₂ O ₄ /SiO ₂ Composite Photothermal Material with Underwater Black Property and Extremely High Thermal Stability for Solar-Driven Water Evaporation. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700145.	5.3	52
75	Are vacuum-filtrated reduced graphene oxide membranes symmetric?. <i>Nanoscale</i> , 2016, 8, 1108-1116.	5.6	50
76	Ag nanoparticles decorated CuO nanowire arrays for efficient plasmon enhanced photoelectrochemical water splitting. <i>Chemical Physics Letters</i> , 2014, 609, 59-64.	2.6	47
77	Partitioning of hydrophobic organic compounds within soil-water-surfactant systems. <i>Water Research</i> , 2008, 42, 2093-2101.	11.3	45
78	Exceptional interfacial solar evaporation via heteromorphic PTFE/CNT hollow fiber arrays. <i>Journal of Materials Chemistry A</i> , 2021, 9, 390-399.	10.3	45
79	In-situ growth of Ti ₃ C ₂ @MIL-NH ₂ composite for highly enhanced photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2021, 411, 128446.	12.7	45
80	Rational design of binder-free noble metal/metal oxide arrays with nanocauliflower structure for wide linear range nonenzymatic glucose detection. <i>Scientific Reports</i> , 2015, 5, 10617.	3.3	44
81	Graphene as an intermediary for enhancing the electron transfer rate: A free-standing Ni ₃ S ₂ @graphene@Co ₉ S ₈ electrocatalytic electrode for oxygen evolution reaction. <i>Nano Research</i> , 2018, 11, 1389-1398.	10.4	43
82	Enhanced Pollutant Adsorption and Regeneration of Layered Double Hydroxide-Based Photoregenerable Adsorbent. <i>Environmental Science & Technology</i> , 2020, 54, 9106-9115.	10.0	43
83	Surface-Induced Patterns from Evaporating Droplets of Aqueous Carbon Nanotube Dispersions. <i>Langmuir</i> , 2011, 27, 7163-7167.	3.5	42
84	SiC-C Composite as a Highly Stable and Easily Regenerable Photothermal Material for Practical Water Evaporation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8192-8200.	6.7	41
85	Composite Polyelectrolyte Photothermal Hydrogel with Anti-biofouling and Antibacterial Properties for the Real-World Application of Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16546-16557.	8.0	41
86	Nanomaterials for the water-energy nexus. <i>MRS Bulletin</i> , 2019, 44, 59-66.	3.5	39
87	Atmospheric Water Harvesting: Role of Surface Wettability and Edge Effect. <i>Global Challenges</i> , 2017, 1, 1700019.	3.6	38
88	Heat generation and mitigation in silicon solar cells and modules. <i>Joule</i> , 2021, 5, 631-645.	24.0	38
89	High-efficiency solar-driven water desalination using a thermally isolated plasmonic membrane. <i>Journal of Cleaner Production</i> , 2020, 271, 122684.	9.3	37
90	Microtribology of Aqueous Carbon Nanotube Dispersions. <i>Advanced Functional Materials</i> , 2011, 21, 4555-4564.	14.9	34

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91	Annealing temperature effects on photoelectrochemical performance of bismuth vanadate thin film photoelectrodes. <i>RSC Advances</i> , 2018, 8, 29179-29188.	3.6	34
92	Partitioning of hydrophobic pesticides within a soil-water-anionic surfactant system. <i>Water Research</i> , 2009, 43, 706-714.	11.3	33
93	Efficient solar-to-acetate conversion from CO ₂ through microbial electrosynthesis coupled with stable photoanode. <i>Applied Energy</i> , 2020, 278, 115684.	10.1	30
94	Hierarchical Nanocapsules of Cu-Doped MoS ₂ @H-Substituted Graphdiyne for Magnesium Storage. <i>ACS Nano</i> , 2022, 16, 3955-3964.	14.6	28
95	Polydopamine as a Versatile Adhesive Layer for Robust Fabrication of Smart Surface with Switchable Wettability for Effective Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 4838-4843.	3.7	27
96	Engineering Interface with a One-Dimensional RuO ₂ /TiO ₂ Heteronanostructure in an Electrocatalytic Membrane Electrode: Toward Highly Efficient Micropollutant Decomposition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21596-21604.	8.0	26
97	Janus Graphene Oxide-Doped, Lamellar Composite Membranes with Strong Aqueous Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7252-7259.	6.7	24
98	An Integrated Photocatalytic and Photothermal Process for Solar-Driven Efficient Purification of Complex Contaminated Water. <i>Energy Technology</i> , 2020, 8, 2000456.	3.8	24
99	Self-powered antifouling UVC pipeline sterilizer driven by the discharge stimuli based on the modified freestanding rotary triboelectric nanogenerator. <i>Nano Energy</i> , 2022, 95, 106969.	16.0	24
100	Boosting H ₂ Production from a BiVO ₄ Photoelectrochemical Biomass Fuel Cell by the Construction of a Bridge for Charge and Energy Transfer. <i>Advanced Materials</i> , 2022, 34, e2201594.	21.0	24
101	Renewable and high efficient syngas production from carbon dioxide and water through solar energy assisted electrolysis in eutectic molten salts. <i>Journal of Power Sources</i> , 2017, 362, 92-104.	7.8	23
102	A pilot-scale sulfur-based sulfidogenic system for the treatment of Cu-laden electroplating wastewater using real domestic sewage as electron donor. <i>Water Research</i> , 2021, 195, 116999.	11.3	23
103	Hybrid water vapor sorbent design with pollution shielding properties: extracting clean water from polluted bulk water sources. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14731-14740.	10.3	23
104	Soil particle-size dependent partitioning behavior of pesticides within water-soil-cationic surfactant systems. <i>Water Research</i> , 2008, 42, 3781-3788.	11.3	22
105	Removal of perfluoroalkyl sulfonates (PFAS) from aqueous solution using permanently confined micelle arrays (PCMAs). <i>Separation and Purification Technology</i> , 2014, 138, 7-12.	7.9	22
106	Plasma assisted-synthesis of magnetic TiO ₂ /SiO ₂ /Fe ₃ O ₄ -polyacrylic acid microsphere and its application for lead removal from water. <i>Science of the Total Environment</i> , 2019, 681, 124-132.	8.0	22
107	Preferential water condensation on superhydrophobic nano-cones array. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	21
108	Gold Nanorods as Saturable Absorber for Harmonic Soliton Molecules Generation. <i>Frontiers in Chemistry</i> , 2019, 7, 715.	3.6	20

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109	Adsorption of 4-chlorophenol by wheat straw biochar and its regeneration with persulfate under microwave irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105353.	6.7	20
110	Micelle swelling agent derived cavities for increasing hydrophobic organic compound removal efficiency by mesoporous micelle@silica hybrid materials. <i>Microporous and Mesoporous Materials</i> , 2012, 155, 252-257.	4.4	16
111	An integrated solar-driven system produces electricity with fresh water and crops in arid regions. <i>Cell Reports Physical Science</i> , 2022, 3, 100781.	5.6	16
112	Adsorption of hydrophobic organic compounds onto a hydrophobic carbonaceous geosorbent in the presence of surfactants. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1237-1243.	4.3	15
113	Irreversible membrane fouling abatement through pre-deposited layer of hierarchical porous carbons. <i>Water Research</i> , 2014, 65, 245-256.	11.3	15
114	Conversion and storage of solar energy for cooling. <i>Energy and Environmental Science</i> , 2022, 15, 136-145.	30.8	14
115	Tuning the nanostructure of nitrogen-doped graphene laminates for forward osmosis desalination. <i>Nanoscale</i> , 2019, 11, 22025-22032.	5.6	13
116	In situ Reduction of Silver Nanoparticles on Chitosan Hybrid Copper Phosphate Nanoflowers for Highly Efficient Plasmonic Solar-driven Interfacial Water Evaporation. <i>Journal of Bionic Engineering</i> , 2021, 18, 30-39.	5.0	13
117	Photothermal Nanoconfinement Reactor: Boosting Chemical Reactivity with Locally High Temperature in a Confined Space. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
118	Temperature sensitive optical properties of exciton and room-temperature visible light emission from disordered Cu ₂ O nanowires. <i>RSC Advances</i> , 2014, 4, 37542-37546.	3.6	10
119	Hierarchical Hybrid Peroxidase Catalysts for Remediation of Phenol Wastewater. <i>ChemPhysChem</i> , 2014, 15, 974-980.	2.1	8
120	Improved stoichiometry and photoanode efficiency of thermally evaporated CdS film with quantum dots as precursor. <i>Nanotechnology</i> , 2015, 26, 335606.	2.6	8
121	Decentralized Co-Generation of Fresh Water and Electricity at Point of Consumption. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000005.	5.3	8
122	Dual-function ultrafiltration membrane constructed from pure activated carbon particles via facile nanostructure reconstruction for high-efficient water purification. <i>Carbon</i> , 2020, 168, 254-263.	10.3	7
123	Real-Time Personal Fever Alert Monitoring by Wearable Detector Based on Thermoresponsive Hydrogel. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1747-1755.	4.4	7
124	Smart Sand by Surface Engineering: Toward Controllable Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9475-9481.	3.7	7
125	A Highly Efficient and Selective Polysilsesquioxane Sorbent for Heavy Metal Removal. <i>ChemPhysChem</i> , 2012, 13, 2536-2539.	2.1	6
126	Tuning substrate geometry for enhancing water condensation. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118627.	4.8	5

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127	Photothermal Nanoconfinement Reactor: Boosting Chemical Reactivity with Locally High Temperature in a Confined Space. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
128	AgInput: An Agricultural Nutrient and Pesticide Source Model. <i>Environmental Modeling and Assessment</i> , 2009, 14, 391-403.	2.2	2
129	Molten Salts CO ₂ Transformation: Lower Energy Input and High-Yield Carbon Nanotubes Production Induced by Zinc Oxide. <i>Journal of the Electrochemical Society</i> , 2021, 168, 083501.	2.9	2
130	Hearing All Voices to Address Environmental Challenges at a Global Scale. <i>Environmental Science & Technology</i> , 0, , .	10.0	1
131	Special issue on nanomaterials for energy and environmental applications. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 289-290.	5.2	0
132	ES&T's Best Papers of 2020. <i>Environmental Science & Technology</i> , 2021, 55, 11489-11490.	10.0	0
133	CHAPTER 6. Biomimetic Materials for Efficient Atmospheric Water Collection. <i>RSC Smart Materials</i> , 2016, , 165-184.	0.1	0