

Ning Wang

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

118
papers

4,307
citations

37
h-index

64
g-index

125
ext. papers

5,986
ext. citations

10.2
avg, IF

6.09
L-index

#	Paper	IF	Citations
118	Amidoxime Group-Anchored Single Cobalt Atoms for Anti-Biofouling during Uranium Extraction from Seawater.. <i>Advanced Science</i> , 2022 , e2105008	13.6	5
117	Ultra-flexible flame-retardant wood composites with resistance to extreme temperatures and mildew. <i>Cell Reports Physical Science</i> , 2022 , 100732	6.1	
116	Atomic Chromium Coordinated Graphitic Carbon Nitride for Bioinspired Antibiofouling in Seawater.. <i>Advanced Science</i> , 2022 , e2105346	13.6	5
115	Progress in fabrication and applications of micro/nanostructured superhydrophobic surfaces. <i>Surface Innovations</i> , 2022 , 10, 89-110	1.9	4
114	Rapid recovery of uranium with magnetic-single-molecular amidoxime adsorbent. <i>Separation and Purification Technology</i> , 2022 , 287, 120524	8.3	3
113	In-situ grown bilayer MOF from robust wood aerogel with aligned microchannel arrays toward selective extraction of uranium from seawater. <i>Chemical Engineering Journal</i> , 2022 , 433, 134346	14.7	4
112	Ultrasensitive Detection of Aqueous Uranyl Based on Uranyl-Triggered Protein Photocleavage.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	1
111	Highly efficient extraction of uranium from seawater by natural marine crab carapace. <i>Chemical Engineering Journal</i> , 2022 , 430, 133038	14.7	4
110	Interlayer spacing adjusted zirconium phosphate with 2D ion channels for highly efficient removal of uranium contamination in radioactive effluent. <i>Chemical Engineering Journal</i> , 2022 , 429, 132265	14.7	5
109	Halogen hydrogen-bonded organic framework (XHOF) constructed by singlet open-shell diradical for efficient photoreduction of U(VI).. <i>Nature Communications</i> , 2022 , 13, 1389	17.4	5
108	Stabilizing Ultrasmall Ceria-Cluster Nanozyme for Antibacterial and Antibiofouling Applications.. <i>Small</i> , 2022 , e2107401	11	3
107	Macroporous hydrogel membrane by cooperative reaming for highly efficient uranium extraction from seawater. <i>Separation and Purification Technology</i> , 2022 , 289, 120823	8.3	0
106	Cuttlefish ink loaded polyamidoxime adsorbent with excellent photothermal conversion and antibacterial activity for highly efficient uranium capture from natural seawater.. <i>Journal of Hazardous Materials</i> , 2022 , 433, 128789	12.8	0
105	Vertically Aligned Polyamidoxime/Graphene Oxide Hybrid Sheets Membrane for Ultrafast and Selective Extraction of Uranium from Seawater. <i>Advanced Functional Materials</i> , 2022 , 32, 2111049	15.6	4
104	A poly(amidoxime)-modified MOF macroporous membrane for high-efficient uranium extraction from seawater. <i>E-Polymers</i> , 2022 , 22, 399-410	2.7	10
103	A wood-mimetic porous MXene/gelatin hydrogel for electric field/sunlight bi-enhanced uranium adsorption. <i>E-Polymers</i> , 2022 , 22, 468-477	2.7	3
102	High-strength and anti-biofouling nanofiber membranes for enhanced uranium recovery from seawater and wastewater.. <i>Journal of Hazardous Materials</i> , 2022 , 436, 128983	12.8	0

101	Defect-engineered metal-organic framework with enhanced photoreduction activity toward uranium extraction from seawater. <i>Cell Reports Physical Science</i> , 2022 , 3, 100892	6.1	1
100	Mixed-linker strategy toward enhanced photoreduction-assisted uranium recovery from wastewater and seawater. <i>Chemical Engineering Journal</i> , 2022 , 446, 137264	14.7	1
99	Single-Atom Tungsten Engineering of MOFs with Biomimetic Antibiofilm Activity Toward Robust Uranium Extraction from Seawater. <i>Chemical Engineering Journal</i> , 2021 , 133483	14.7	2
98	Structural and Componential Engineering of CoP&CoP@N-C Nanoarrays for Energy-Efficient Hydrogen Production from Water Electrolysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56064-56072	9.5	0
97	Highly efficient immobilization of environmental uranium contamination with <i>Pseudomonas stutzeri</i> by biosorption, biomineralization, and bioreduction. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127758	12.8	1
96	Mussel-Inspired Dual-Crosslinked Polyamidoxime Photothermal Hydrogel with Enhanced Mechanical Strength for Highly Efficient and Selective Uranium Extraction from Seawater. <i>Chemical Engineering Journal</i> , 2021 , 133182	14.7	3
95	Kelp inspired bio-hydrogel with high antibiofouling activity and super-toughness for ultrafast uranium extraction from seawater. <i>Chemical Engineering Journal</i> , 2021 , 430, 133121	14.7	4
94	Accelerated Chemical Thermodynamics of Uranium Extraction from Seawater by Plant-Mimetic Transpiration. <i>Advanced Science</i> , 2021 , 8, e2102250	13.6	7
93	Photoinduced Enhancement of Uranium Extraction from Seawater by MOF/Black Phosphorus Quantum Dots Heterojunction Anchored on Cellulose Nanofiber Aerogel. <i>Advanced Functional Materials</i> , 2021 , 31, 2100106	15.6	39
92	Selective extraction of uranium from seawater with biofouling-resistant polymeric peptide. <i>Nature Sustainability</i> , 2021 , 4, 708-714	22.1	23
91	Antibiofouling Ultrathin Poly(amidoxime) Membrane for Enhanced U(VI) Recovery from Wastewater and Seawater. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21272-21285	9.5	16
90	Photothermal enhancement of uranium capture from seawater by monolithic MOF-bonded carbon sponge. <i>Chemical Engineering Journal</i> , 2021 , 412, 128700	14.7	19
89	A Smart Design Strategy for Super-Elastic Hydrogel with Long-Term Moisture, Extreme Temperature Resistance, and Non-Flammability. <i>Advanced Science</i> , 2021 , 8, e2100320	13.6	4
88	Highly efficient and stable Li extraction device by coupling Li ₄ Ti ₅ O ₁₂ electrode and matching perfluoro electrolyte. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159402	5.7	2
87	Chemical Fabrication Strategies for Achieving Bioinspired Superhydrophobic Surfaces with Micro and Nanostructures: A Review. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001083	3.5	27
86	Charge balanced anti-adhesive polyacrylamidoxime hydrogel membrane for enhancing uranium extraction from seawater. <i>Chemical Engineering Journal</i> , 2021 , 421, 127878	14.7	14
85	Supramolecularly Poly(amidoxime)-Loaded Macroporous Resin for Fast Uranium Recovery from Seawater and Uranium-Containing Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3246-3258	9.5	31
84	In-situ synthesis of uranyl-imprinted nanocage for selective uranium recovery from seawater. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6

83	Single-atom Pt-I sites on all-inorganic CsSnI perovskite for efficient photocatalytic hydrogen production. <i>Nature Communications</i> , 2021 , 12, 4412	17.4	24
82	Conjugating hyaluronic acid with porous biomass to construct anti-adhesive sponges for rapid uranium extraction from seawater. <i>Chemical Engineering Journal</i> , 2021 , 420, 130382	14.7	4
81	A nanoclay enhanced Amidoxime-Functionalized Double-Network hydrogel for fast and massive uranium recovery from seawater. <i>Chemical Engineering Journal</i> , 2021 , 422, 130060	14.7	15
80	A trifluoromethyl-grafted ultra-stable fluorescent covalent organic framework for adsorption and detection of pesticides. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25156-25164	13	29
79	A simple and universal strategy to construct robust and anti-biofouling amidoxime aerogels for enhanced uranium extraction from seawater. <i>Chemical Engineering Journal</i> , 2020 , 397, 125337	14.7	30
78	Spidroid-Inspired, High-Strength, Loofah-Shaped Protein Fiber for Capturing Uranium from Seawater. <i>Angewandte Chemie</i> , 2020 , 132, 16131-16135	3.6	1
77	Micro-Nano Hierarchical Dendritic Structures for Droplet Curve Manipulation: Implications for Microfluidic Devices. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6524-6530	5.6	11
76	Spidroid-Inspired, High-Strength, Loofah-Shaped Protein Fiber for Capturing Uranium from Seawater. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15997-16001	16.4	21
75	Self-sterilizing diblock polycation-enhanced polyamidoxime shape-stable blow-spun nanofibers for high-performance uranium capture from seawater. <i>Chemical Engineering Journal</i> , 2020 , 390, 124648	14.7	24
74	Bio-inspired antibacterial cellulose paper-poly(amidoxime) composite hydrogel for highly efficient uranium(vi) capture from seawater. <i>Chemical Communications</i> , 2020 , 56, 3935-3938	5.8	43
73	Robust flexible poly(amidoxime) porous network membranes for highly efficient uranium extraction from seawater. <i>Nano Energy</i> , 2020 , 71, 104629	17.1	51
72	Boosting Multiple Interfaces by Co-Doped Graphene Quantum Dots for High Efficiency and Durability Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13941-13949	9.5	44
71	An Ion-Crosslinked Supramolecular Hydrogel for Ultrahigh and Fast Uranium Recovery from Seawater. <i>Advanced Materials</i> , 2020 , 32, e1906615	24	68
70	Flexible films with wrinkled micro-nano hierarchical structures having stable superhydrophobicity under external loading. <i>Journal of Materials Science</i> , 2020 , 55, 9623-9637	4.3	13
69	Photoinduced Multiple Effects to Enhance Uranium Extraction from Natural Seawater by Black Phosphorus Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1220-1227	16.4	56
68	Optimizing nanocarbon shell in zero-valent iron nanoparticles for improved electron utilization in Cr(VI) reduction. <i>Chemosphere</i> , 2020 , 242, 125235	8.4	31
67	Photoinduced Multiple Effects to Enhance Uranium Extraction from Natural Seawater by Black Phosphorus Nanosheets. <i>Angewandte Chemie</i> , 2020 , 132, 1236-1243	3.6	10
66	A Bio-inspired Nano-pocket Spatial Structure for Targeting Uranyl Capture. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4262-4268	16.4	55

65	A Bio-inspired Nano-pocket Spatial Structure for Targeting Uranyl Capture. <i>Angewandte Chemie</i> , 2020 , 132, 4292-4298	3.6	10
64	Ultra-fast and stable extraction of Li metal from seawater. <i>Chemical Communications</i> , 2020 , 56, 1577-1580	8	7
63	Efficient Bifacial Passivation with Crosslinked Thioctic Acid for High-Performance Methylammonium Lead Iodide Perovskite Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e1905661	24	72
62	Microcapsule-Based Visualization Smart Sensors for Damage Detection: Principles and Applications. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900832	6.8	16
61	SnSe ₂ nanocrystals coupled with hierarchical porous carbon microspheres for long-life sodium ion battery anode. <i>Science China Materials</i> , 2020 , 63, 483-491	7.1	17
60	DNA nano-pocket for ultra-selective uranyl extraction from seawater. <i>Nature Communications</i> , 2020 , 11, 5708	17.4	42
59	Ultrafast and Highly Selective Uranium Extraction from Seawater by Hydrogel-like Spidroin-based Protein Fiber. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11785-11790	16.4	111
58	Suppressing Charge Recombination and Ultraviolet Light Degradation of Perovskite Solar Cells Using Silicon Oxide Passivation. <i>ChemElectroChem</i> , 2019 , 6, 3167-3174	4.3	68
57	Efficient and Selective Methane Borylation Through Pore Size Tuning of Hybrid Porous Organic-Polymer-Based Iridium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10671-10676	16.4	20
56	Efficient and Selective Methane Borylation Through Pore Size Tuning of Hybrid Porous Organic-Polymer-Based Iridium Catalysts. <i>Angewandte Chemie</i> , 2019 , 131, 10781-10786	3.6	4
55	Facile fabrication of amphiphobic surfaces on copper substrates with a mixed modified solution.. <i>RSC Advances</i> , 2019 , 9, 17366-17372	3.7	24
54	Angle-dependent structural colors in a nanoscale-grating photonic crystal fabricated by reverse nanoimprint technology. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1211-1216	3	7
53	Flexible Metal/Polymer Composite Films Embedded with Silver Nanowires as a Stretchable and Conductive Strain Sensor for Human Motion Monitoring. <i>Micromachines</i> , 2019 , 10,	3.3	16
52	A Marine-Inspired Hybrid Sponge for Highly Efficient Uranium Extraction from Seawater. <i>Advanced Functional Materials</i> , 2019 , 29, 1901009	15.6	71
51	A Universally Applicable Strategy for Construction of Anti-Biofouling Adsorbents for Enhanced Uranium Recovery from Seawater. <i>Advanced Science</i> , 2019 , 6, 1900002	13.6	63
50	Metal complex hybrid composites based on fullerene-bearing porous polycarbazole for H ₂ , CO ₂ and CH ₄ uptake and heterogeneous hydrogenation catalysis. <i>Polymer</i> , 2019 , 169, 255-262	3.9	55
49	Sunlight Polymerization of Poly(amidoxime) Hydrogel Membrane for Enhanced Uranium Extraction from Seawater. <i>Advanced Science</i> , 2019 , 6, 1900085	13.6	76
48	Uranium Extraction: A Marine-Inspired Hybrid Sponge for Highly Efficient Uranium Extraction from Seawater (Adv. Funct. Mater. 32/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970219	15.6	3

47	A Dual-Surface Amidoximated Halloysite Nanotube for High-Efficiency Economical Uranium Extraction from Seawater. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14979-14985	16.4	84
46	Ultrafast Recovery of Uranium from Seawater by Strain UUS-1 with Innate Anti-Biofouling Activity. <i>Advanced Science</i> , 2019 , 6, 1900961	13.6	39
45	Patterned Metal/Polymer Strain Sensor with Good Flexibility, Mechanical Stability and Repeatability for Human Motion Detection. <i>Micromachines</i> , 2019 , 10,	3.3	11
44	Ultrafast and Highly Selective Uranium Extraction from Seawater by Hydrogel-like Spidroin-based Protein Fiber. <i>Angewandte Chemie</i> , 2019 , 131, 11911-11916	3.6	18
43	Fabrication of superhydrophobic green surfaces with good self-cleaning, chemical stability and anti-corrosion properties. <i>Journal of Materials Science</i> , 2019 , 54, 13006-13016	4.3	57
42	Goethite Quantum Dots as Multifunctional Additives for Highly Efficient and Stable Perovskite Solar Cells. <i>Small</i> , 2019 , 15, e1904372	11	24
41	Patterned Metal/Polymer Composite Film with Good Mechanical Stability and Repeatability for Flexible Electronic Devices Using Nanoimprint Technology. <i>Micromachines</i> , 2019 , 10,	3.3	2
40	A Dual-Surface Amidoximated Halloysite Nanotube for High-Efficiency Economical Uranium Extraction from Seawater. <i>Angewandte Chemie</i> , 2019 , 131, 15121-15127	3.6	21
39	Eco-Friendly and Safe Method of Fabricating Superhydrophobic Surfaces on Stainless Steel Substrates. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 25738-25746	3.8	27
38	Remarkably Enhanced CO ₂ Uptake and Uranium Extraction by Functionalization of Cyano-bearing Conjugated Porous Polycarbazoles. <i>Engineered Science</i> , 2019 ,	3.8	4
37	Mechanical Stability of PDMS-Based Micro/Nanotextured Flexible Superhydrophobic Surfaces under External Loading. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 48583-48593	9.5	35
36	Rational Design of Porous Nanofiber Adsorbent by Blow-Spinning with Ultrahigh Uranium Recovery Capacity from Seawater. <i>Advanced Functional Materials</i> , 2019 , 29, 1805380	15.6	112
35	Highly efficient charge collection in dye-sensitized solar cells based on nanocomposite photoanode filled with indium-tin oxide interlayer. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 356-363	8.7	11
34	High-Temperature Particulate Matter Filtration with Resilient Yttria-Stabilized ZrO Nanofiber Sponge. <i>Small</i> , 2018 , 14, e1800258	11	53
33	An overview of metamaterials and their achievements in wireless power transfer. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2925-2943	7.1	135
32	Synergistic Hematite/Fullerene Electron-Extracting Layers for Improved Efficiency and Stability in Perovskite Solar Cells. <i>ChemElectroChem</i> , 2018 , 5, 725-725	4.3	5
31	All-Carbon-Electrode-Based Endurable Flexible Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1706777	15.6	203
30	Synergistic Hematite-Fullerene Electron-Extracting Layers for Improved Efficiency and Stability in Perovskite Solar Cells. <i>ChemElectroChem</i> , 2018 , 5, 726-731	4.3	66

29	Facile one-step fabrication of CdS _{0.12} Se _{0.88} quantum dots with a ZnSe/ZnS-passivation layer for highly efficient quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9866-9873	13	30
28	Perovskite Solar Cells: All-Carbon-Electrode-Based Endurable Flexible Perovskite Solar Cells (Adv. Funct. Mater. 11/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870069	15.6	2
27	Electrical Signal Reporter, Pore-Forming Protein, for Rapid, Miniaturized, and Universal Identification of Microorganisms. <i>Analytical Chemistry</i> , 2018 , 90, 9853-9858	7.8	3
26	Triple layered core-shell ZVI@carbon@polyaniline composite enhanced electron utilization in Cr(VI) reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11119-11128	13	146
25	Ultralight, highly compressible and fire-retardant graphene aerogel with self-adjustable electromagnetic wave absorption. <i>Carbon</i> , 2018 , 139, 1126-1135	10.4	245
24	Continuously fabricated transparent conductive polycarbonate/carbon nanotube nanocomposite films for switchable thermochromic applications. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8360-8371	7.1	65
23	Functionalization and Fabrication of Soluble Polymers of Intrinsic Microporosity for CO ₂ Transformation and Uranium Extraction. <i>Engineered Science</i> , 2018 ,	3.8	4
22	An overview of lead-free piezoelectric materials and devices. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12446-12467	7.1	162
21	Highly efficient uranium adsorption by salicylaldehyde/polydopamine graphene oxide nanocomposites. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24676-24685	13	220
20	Significantly Enhanced Uranium Extraction from Seawater with Mass Produced Fully Amidoximated Nanofiber Adsorbent. <i>Advanced Energy Materials</i> , 2018 , 8, 1802607	21.8	136
19	Superhydrophobic/Superoleophilic Polycarbonate/Carbon Nanotubes Porous Monolith for Selective Oil Adsorption from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13747-13755	8.3	158
18	Ni-doped Fe ₂ O ₃ as electron transporting material for planar heterojunction perovskite solar cells with improved efficiency, reduced hysteresis and ultraviolet stability. <i>Nano Energy</i> , 2017 , 38, 193-200	17.1	50
17	Hematite electron-transporting layers for environmentally stable planar perovskite solar cells with enhanced energy conversion and lower hysteresis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1434-1441	13	77
16	Ultralight, scalable, and high-temperature-resilient ceramic nanofiber sponges. <i>Science Advances</i> , 2017 , 3, e1603170	14.3	123
15	Crystal Structure Modification Enhanced FeNb ₁₁ O ₂₉ Anodes for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 3171-3180	4.3	130
14	Carbon Nanotube Based Inverted Flexible Perovskite Solar Cells with All-Inorganic Charge Contacts. <i>Advanced Functional Materials</i> , 2017 , 27, 1703068	15.6	108
13	Discrete Iron(III) Oxide Nanoislands for Efficient and Photostable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017 , 27, 1702090	15.6	71
12	Enhanced Electron Collection in Perovskite Solar Cells Employing Thermoelectric NaCoO ₃ /TiO ₂ Coaxial Nanofibers. <i>Small</i> , 2016 , 12, 5146-5152	11	15

11	Synergistic carbon nanotube aerogel/Pt nanocomposites toward enhanced energy conversion in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3238-3244	13	31
10	Graphene-based Recyclable Photo-Absorbers for High-Efficiency Seawater Desalination. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9194-9	9.5	141
9	Advanced bamboo composite materials with high-efficiency and long-term anti-microbial fouling performance. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	0
8	A review on applications of superhydrophobic materials in civil engineering. <i>Advanced Engineering Materials</i> ,	3.5	2
7	Low-Temperature synthesis of FeOOH Quantum Dots as Promising Electron-Transporting Layers for High-Performance Planar Perovskite Solar Cells. <i>IOP Conference Series: Earth and Environmental Science</i> ,585, 012010	0.3	1
6	Room temperature synthesis of defective cerium oxide for efficient marine anti-biofouling. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	2
5	Study of mechanical properties and enhancing auxetic mechanism of composite auxetic structures. <i>Engineering Reports</i> ,e12436	1.2	
4	Guanidinium-based ionic covalent organic frameworks for capture of uranyl tricarbonate. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	2
3	In-situ synthesis of uranyl-imprinted nanocage for selective uranium recovery from seawater. <i>Angewandte Chemie</i> ,	3.6	0
2	Fluorinated Black Phosphorene Nanosheets with Robust Ambient Stability for Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> ,2106779	15.6	3
1	Wetting stability of flexible superamphiphobic surfaces under stretching loading. <i>Surface Innovations</i> ,1-11	1.9	0