

Rumin Li

List of Publications by Year in descending order

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94
papers

5,861
citations

57719

44
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76872

74
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95
docs citations

95
times ranked

5421
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical FeCo ₂ O ₄ @NiCo layered double hydroxide core/shell nanowires for high performance flexible all-solid-state asymmetric supercapacitors. Chemical Engineering Journal, 2018, 334, 1573-1583.	6.6	360
2	A flexible all-solid-state asymmetric supercapacitors based on hierarchical carbon cloth@CoMoO ₄ @NiCo layered double hydroxide core-shell heterostructures. Chemical Engineering Journal, 2018, 352, 29-38.	6.6	259
3	Interfacial growth of a metal-organic framework (UiO-66) on functionalized graphene oxide (GO) as a suitable seawater adsorbent for extraction of uranium(^{VI}). Journal of Materials Chemistry A, 2017, 5, 17933-17942.	5.2	253
4	Hierarchical Co ₃ O ₄ @Ni(OH) ₂ core-shell nanosheet arrays for isolated all-solid state supercapacitor electrodes with superior electrochemical performance. Chemical Engineering Journal, 2017, 315, 35-45.	6.6	239
5	Enhanced adsorption of uranium (VI) using a three-dimensional layered double hydroxide/graphene hybrid material. Chemical Engineering Journal, 2015, 259, 752-760.	6.6	229
6	Fabrication of ZIF-8@SiO ₂ Micro/Nano Hierarchical Superhydrophobic Surface on AZ31 Magnesium Alloy with Impressive Corrosion Resistance and Abrasion Resistance. ACS Applied Materials & Interfaces, 2017, 9, 11106-11115.	4.0	219
7	Hierarchical NiCo ₂ S ₄ @CoMoO ₄ core-shell heterostructures nanowire arrays as advanced electrodes for flexible all-solid-state asymmetric supercapacitors. Applied Surface Science, 2018, 453, 73-82.	3.1	206
8	Removal of uranium(VI) ions from aqueous solution by magnetic cobalt ferrite/multiwalled carbon nanotubes composites. Chemical Engineering Journal, 2015, 273, 307-315.	6.6	152
9	A graphene oxide/amidoxime hydrogel for enhanced uranium capture. Scientific Reports, 2016, 6, 19367.	1.6	128
10	Hierarchically structured layered-double-hydroxides derived by ZIF-67 for uranium recovery from simulated seawater. Journal of Hazardous Materials, 2017, 338, 167-176.	6.5	125
11	Hierarchical FeCo ₂ O ₄ @polypyrrole Core/Shell Nanowires on Carbon Cloth for High-Performance Flexible All-Solid-State Asymmetric Supercapacitors. ACS Sustainable Chemistry and Engineering, 2018, 6, 14945-14954.	3.2	117
12	A chitosan-graphene oxide/ZIF foam with anti-biofouling ability for uranium recovery from seawater. Chemical Engineering Journal, 2020, 382, 122850.	6.6	117
13	Metallic FePSe ₃ nanoparticles anchored on N-doped carbon framework for All-pH hydrogen evolution reaction. Nano Energy, 2019, 57, 222-229.	8.2	115
14	Nickel-Cobalt Layered Double Hydroxide Nanowires on Three Dimensional Graphene Nickel Foam for High Performance Asymmetric Supercapacitors. Electrochimica Acta, 2016, 215, 492-499.	2.6	114
15	Metallic and superhydrophilic nickel cobalt diselenide nanosheets electrodeposited on carbon cloth as a bifunctional electrocatalyst. Journal of Materials Chemistry A, 2018, 6, 17353-17360.	5.2	100
16	In situ grown of nano-hydroxyapatite on magnetic CaAl-layered double hydroxides and its application in uranium removal. Chemical Engineering Journal, 2012, 193-194, 372-380.	6.6	99
17	In-situ Fabrication of MOF-Derived Co ²⁺ /Co Layered Double Hydroxide Hollow Nanocages/Graphene Composite: A Novel Electrode Material with Superior Electrochemical Performance. Chemistry - A European Journal, 2017, 23, 14839-14847.	1.7	89
18	Highly efficient immobilization of uranium(VI) from aqueous solution by phosphonate-functionalized dendritic fibrous nanosilica (DFNS). Journal of Hazardous Materials, 2019, 363, 248-257.	6.5	88

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19	Diaminomaleonitrile functionalized double-shelled hollow MIL-101 (Cr) for selective removal of uranium from simulated seawater. <i>Chemical Engineering Journal</i> , 2019, 368, 951-958.	6.6	87
20	A novel 3D reticular anti-fouling bio-adsorbent for uranium extraction from seawater: Polyethylenimine and guanidyl functionalized hemp fibers. <i>Chemical Engineering Journal</i> , 2020, 382, 122555.	6.6	82
21	Ni ²⁺ /Mn LDH-decorated 3D Fe-inserted and N-doped carbon framework composites for efficient uranium(VI) removal. <i>Environmental Science: Nano</i> , 2018, 5, 467-475.	2.2	77
22	Efficient extraction of uranium from aqueous solution using an amino-functionalized magnetic titanate nanotubes. <i>Journal of Hazardous Materials</i> , 2018, 353, 9-17.	6.5	74
23	Graphene Oxide and Silver Ions Coassisted Zeolitic Imidazolate Framework for Antifouling and Uranium Enrichment from Seawater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6185-6195.	3.2	73
24	Anti-Biofouling and Water-Resistant Stable Balanced Charged Metal Organic Framework-Based Polyelectrolyte Hydrogels for Extracting Uranium from Seawater. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18012-18022.	4.0	73
25	Synthesis, characterization and enhanced gas sensing performance of porous ZnCo ₂ O ₄ nano/microspheres. <i>Nanoscale</i> , 2015, 7, 19714-19721.	2.8	72
26	3D self-assembly polyethyleneimine modified graphene oxide hydrogel for the extraction of uranium from aqueous solution. <i>Applied Surface Science</i> , 2017, 426, 1063-1074.	3.1	69
27	Recovery of uranium(VI) from aqueous solutions using a modified honeycomb-like porous carbon material. <i>Dalton Transactions</i> , 2017, 46, 420-429.	1.6	68
28	Mussel-inspired anti-biofouling and robust hybrid nanocomposite hydrogel for uranium extraction from seawater. <i>Journal of Hazardous Materials</i> , 2020, 381, 120984.	6.5	67
29	High U(VI) adsorption capacity by mesoporous Mg(OH) ₂ deriving from MgO hydrolysis. <i>RSC Advances</i> , 2013, 3, 23278.	1.7	66
30	P-n heterojunction CuO/CuCo ₂ O ₄ nanotubes synthesized via electrospinning technology for detecting n-propanol gas at room temperature. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1219-1230.	3.0	63
31	3D Cu(OH) ₂ nanowires/carbon cloth for flexible supercapacitors with outstanding cycle stability. <i>Chemical Engineering Journal</i> , 2019, 371, 348-355.	6.6	59
32	Superaerophobic Quaternary Ni-Co-S-P Nanoparticles for Efficient Overall Water-Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14639-14646.	3.2	56
33	In-situ growth of CNTs encapsulating P-doped NiSe ₂ nanoparticles on carbon framework as efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Energy Chemistry</i> , 2021, 60, 111-120.	7.1	56
34	Hierarchical NiSe@Co ₂ (CO ₃)(OH) ₂ heterogeneous nanowire arrays on nickel foam as electrode with high areal capacitance for hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019, 294, 325-336.	2.6	55
35	Anti-bacterial and super-hydrophilic bamboo charcoal with amidoxime modified for efficient and selective uranium extraction from seawater. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 455-463.	5.0	55
36	Rapid and efficient uranium(VI) capture by phytic acid/polyaniline/FeOOH composites. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 1-11.	5.0	54

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37	Design of 2D mesoporous Zn/Co-based metal-organic frameworks as a flexible electrode for energy storage and conversion. <i>Journal of Power Sources</i> , 2019, 438, 227057.	4.0	53
38	Mussel-inspired antifouling magnetic activated carbon for uranium recovery from simulated seawater. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 172-182.	5.0	52
39	Defect-Induced Method for Preparing Hierarchical Porous Zr-MOF Materials for Ultrafast and Large-Scale Extraction of Uranium from Modified Artificial Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 1159-1166.	1.8	52
40	Efficient removal of uranium(U^{VI}) from simulated seawater with hyperbranched polyethylenimine (HPEI)-functionalized polyacrylonitrile fibers. <i>New Journal of Chemistry</i> , 2018, 42, 168-176.	1.4	51
41	Coaxial $CoMoO_4$ nanowire arrays with chemically integrated conductive coating for high-performance flexible all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , 2015, 7, 15159-15167.	2.8	49
42	Magnetic metal-organic frameworks/carbon dots as a multifunctional platform for detection and removal of uranium. <i>Applied Surface Science</i> , 2019, 491, 640-649.	3.1	49
43	Layer-by-layer inkjet printing GO film anchored $Ni(OH)_2$ nanoflakes for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 375, 121988.	6.6	48
44	Enhanced acetone gas sensing response of $ZnO/ZnCo_2O_4$ nanotubes synthesized by single capillary electrospinning technology. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 511-522.	4.0	47
45	Hierarchical $Ni-Al$ Layered Double Hydroxide In Situ Anchored onto Polyethylenimine-Functionalized Fibers for Efficient $U(VI)$ Capture. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13385-13394.	3.2	45
46	Novel Ion-Imprinted Carbon Material Induced by Hyperaccumulation Pathway for the Selective Capture of Uranium. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28877-28886.	4.0	45
47	Superhydrophilic phosphate and amide functionalized magnetic adsorbent: a new combination of anti-biofouling and uranium extraction from seawater. <i>Environmental Science: Nano</i> , 2018, 5, 2346-2356.	2.2	44
48	Layer-by-layer inkjet printing GO film and Ag nanoparticles supported nickel cobalt layered double hydroxide as a flexible and binder-free electrode for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 691-699.	5.0	41
49	Efficient removal of U^{VI} from simulated seawater with hyperbranched polyethylenimine (HPEI) covalently modified SiO_2 coated magnetic microspheres. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1321-1328.	3.0	39
50	Removal of uranium(U^{VI}) from aqueous solutions by surface modified magnetic Fe_3O_4 particles. <i>New Journal of Chemistry</i> , 2013, 37, 3914.	1.4	37
51	Simple one-step synthesis of woven amidoximated natural material bamboo strips for uranium extraction from seawater. <i>Chemical Engineering Journal</i> , 2021, 425, 131538.	6.6	37
52	Preparation and characterization of $ZnO/CoNiO_2$ hollow nanofibers by electrospinning method with enhanced gas sensing properties. <i>Journal of Alloys and Compounds</i> , 2017, 702, 20-30.	2.8	35
53	Tube in tube $ZnO/ZnCo_2O_4$ nanostructure synthesized by facile single capillary electrospinning with enhanced ethanol gas-sensing properties. <i>RSC Advances</i> , 2017, 7, 11428-11438.	1.7	35
54	Rationally designed $CuCo_2O_4@Ni(OH)_2$ with 3D hierarchical core-shell structure for flexible energy storage. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 76-83.	5.0	35

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55	Facile synthesis of magnetic carboxymethylcellulose nanocarriers for pH-responsive delivery of doxorubicin. <i>New Journal of Chemistry</i> , 2015, 39, 7340-7347.	1.4	34
56	Fabrication of electrospun Co ₃ O ₄ /CuO p-p heterojunctions nanotubes functionalized with HFIP for detecting chemical nerve agent under visible light irradiation. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128076.	4.0	34
57	Metal-organic frameworks (MIL-68) decorated graphene oxide for highly efficient enrichment of uranium. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 99, 45-52.	2.7	33
58	3D hybrid Ni-Multiwall carbon nanotubes/carbon nanofibers for detecting sarin nerve agent at room temperature. <i>Journal of Alloys and Compounds</i> , 2019, 780, 680-689.	2.8	33
59	Preparation of magnetic core-shell iron oxide@silica@nickel-ethylene glycol microspheres for highly efficient sorption of uranium(VI). <i>Dalton Transactions</i> , 2015, 44, 6909-6917.	1.6	32
60	Investigation of uranium (VI) adsorption by poly(dopamine) functionalized waste paper derived carbon. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 266-273.	2.7	31
61	Lubricant-infused coating by double-layer ZnO on aluminium and its anti-corrosion performance. <i>Journal of Alloys and Compounds</i> , 2018, 764, 730-737.	2.8	30
62	Three-dimensional hierarchical Co ₃ O ₄ nano/micro-architecture: synthesis and ethanol sensing properties. <i>CrystEngComm</i> , 2016, 18, 5728-5735.	1.3	29
63	Heterogeneous NiSe ₂ /Ni Ultrafine Nanoparticles Embedded into an N,S-Codoped Carbon Framework for pH-Universal Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4119-4127.	3.2	29
64	Mesoporous V ₂ O ₅ /Ketjen black nanocomposites for all-solid-state symmetric supercapacitors. <i>CrystEngComm</i> , 2015, 17, 1673-1679.	1.3	27
65	Electrospun n-p WO ₃ /CuO heterostructure nanofibers as an efficient sarin nerve agent sensing material at room temperature. <i>Journal of Alloys and Compounds</i> , 2019, 793, 31-41.	2.8	27
66	An anti-algae adsorbent for uranium extraction: L-Arginine functionalized graphene hydrogel loaded with Ag nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 192-200.	5.0	27
67	Controlled growth of hierarchical FeCo ₂ O ₄ ultrathin nanosheets and Co ₃ O ₄ nanowires on nickel foam for supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 31780-31789.	3.8	26
68	Preparation of magnetic calcium silicate hydrate for the efficient removal of uranium from aqueous systems. <i>RSC Advances</i> , 2015, 5, 5904-5912.	1.7	25
69	Porous tungsten trioxide nanolamellae with uniform structures for high-performance ethanol sensing. <i>CrystEngComm</i> , 2016, 18, 8411-8418.	1.3	25
70	Flexible all-solid-state asymmetric supercapacitor based on three-dimensional MoS ₂ /Ketjen black nanoflower arrays. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13690-13699.	3.8	25
71	Constructing an Amino-reinforced amidoxime swelling layer on a Polyacrylonitrile surface for enhanced uranium adsorption from seawater. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1015-1026.	5.0	25
72	Fabrication of CeO ₂ /ZnCo ₂ O ₄ n-p heterostructured porous nanotubes via electrospinning technology for enhanced ethanol gas sensing performance. <i>RSC Advances</i> , 2016, 6, 101626-101637.	1.7	24

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73	Fabrication of the pod-like KCC-1/TiO ₂ superhydrophobic surface on AZ31 Mg alloy with stability and photocatalytic property. <i>Applied Surface Science</i> , 2020, 499, 143933.	3.1	23
74	High efficiency biosorption of Uranium (VI) ions from solution by using hemp fibers functionalized with imidazole-4,5-dicarboxylic. <i>Journal of Molecular Liquids</i> , 2020, 297, 111739.	2.3	23
75	HFIP-functionalized electrospun WO ₃ hollow nanofibers/rGO as an efficient double layer sensing material for dimethyl methylphosphonate gas under UV-Light irradiation. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154999.	2.8	23
76	Layer by layer inkjet printing reduced graphene oxide film supported nickel cobalt layered double hydroxide as a binder-free electrode for supercapacitors. <i>Applied Surface Science</i> , 2020, 509, 144872.	3.1	22
77	Preparation of a 3D multi-branched chelate adsorbent for high selective adsorption of uranium(VI): Acrylic and diaminomaleonitrile functionalized waste hemp fiber. <i>Reactive and Functional Polymers</i> , 2020, 149, 104512.	2.0	22
78	Ultra-high mechanical property and multi-layer porous structure of amidoximation ethylene-acrylic acid copolymer balls for efficient and selective uranium adsorption from radioactive wastewater. <i>Chemosphere</i> , 2021, 280, 130722.	4.2	21
79	Polypyrrole modified Fe ⁰ -loaded graphene oxide for the enrichment of uranium(VI) from simulated seawater. <i>Dalton Transactions</i> , 2018, 47, 12984-12992.	1.6	20
80	Ultra-high flexibility amidoximated ethylene acrylic acid copolymer film synthesized by the mixed melting method for uranium adsorption from simulated seawater. <i>Journal of Hazardous Materials</i> , 2022, 426, 127808.	6.5	20
81	Heterogeneous CoSe ₂ @CoO nanoparticles immobilized into N-doped carbon fibers for efficient overall water splitting. <i>Electrochimica Acta</i> , 2020, 356, 136822.	2.6	19
82	A hybrid sponge with guanidine and phytic acid enriched surface for integration of antibiofouling and uranium uptake from seawater. <i>Applied Surface Science</i> , 2020, 525, 146611.	3.1	18
83	Fabrication of uniform 1-D ZnO/ZnCo ₂ O ₄ nano-composite and enhanced properties in gas sensing detection. <i>Materials Chemistry and Physics</i> , 2019, 228, 66-74.	2.0	17
84	Three-dimensional heterostructured polypyrrole/nickel molybdate anchored on carbon cloth for high-performance flexible supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 355-363.	5.0	17
85	Ionic liquid combined with NiCo ₂ O ₄ /rGO enhances electrochemical oxygen sensing. <i>Talanta</i> , 2020, 209, 120515.	2.9	15
86	Carbon Cloth Modified with Metal-Organic Framework Derived CC@CoMoO ₄ @Co(OH) ₂ Nanosheets Array as a Flexible Energy Storage Material. <i>ChemElectroChem</i> , 2019, 6, 3355-3366.	1.7	14
87	NiSe ₂ /Ni ₅ P ₄ nanosheets on nitrogen-doped carbon nano-fibred skeleton for efficient overall water splitting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126189.	2.3	13
88	The efficient immobilization of uranium(VI) by modified dendritic fibrous nanosilica (DFNS) using mussel bioglu. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 746-755.	3.0	12
89	Mussel-inspired polydopamine microspheres self-adhered on natural hemp fibers for marine uranium harvesting and photothermal-enhanced antifouling properties. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 109-116.	5.0	12
90	In Situ Anchoring of Pyrrhotite on Graphitic Carbon Nitride Nanosheet for Efficient Immobilization of Uranium. <i>Chemistry - A European Journal</i> , 2019, 25, 590-597.	1.7	11

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91	MOF-derived electrochemical catalyst Cu@N/C for the enhancement of amperometric oxygen detection. <i>Nanoscale</i> , 2022, 14, 1796-1806.	2.8	8
92	Ag-CS Enhanced Performance of Pyrrolidone-Based Ionic Liquid Oxygen Sensor. <i>Journal of the Electrochemical Society</i> , 2020, 167, 067522.	1.3	3
93	Fe ³⁺ /Fe ₂ O ₃ /rGO cooperated with tri-alkyl-substituted-imidazolium ionic liquids for enhancing oxygen sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 130029.	4.0	3
94	Design of multifunctional phytate coated magnetic composites for combined therapy with antitumor drugs. <i>New Journal of Chemistry</i> , 2017, 41, 14898-14905.	1.4	0