

Yuhui Liu

List of Publications by Year in descending order

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60
papers

2,371
citations

257450

24
h-index

214800

47
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60
all docs

60
docs citations

60
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	Encapsulating MoS ₂ -nanoflowers conjugated with chitosan oligosaccharide into electrospun nanofibrous scaffolds for photothermal inactivation of bacteria. <i>Journal of Nanostructure in Chemistry</i> , 2024, 14, 137-151.	9.1	11
2	A green electrolysis of silver-decorated MoS ₂ nanocomposite with an enhanced antibacterial effect and low cytotoxicity. <i>Nanoscale Advances</i> , 2021, 3, 3460-3469.	4.6	12
3	Mathematical analysis and its experimental comparisons for the accumulative roll bonding (ARB) process with different superimposed layers. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 1741-1752.	11.9	21
4	A chitosan-graphene oxide/ZIF foam with anti-biofouling ability for uranium recovery from seawater. <i>Chemical Engineering Journal</i> , 2020, 382, 122850.	12.7	117
5	Effective adsorption of uranyl ions with different MoS ₂ -exposed surfaces in aqueous solution. <i>Surfaces and Interfaces</i> , 2020, 18, 100409.	3.0	15
6	Effect of rolling temperature on deformation behavior and mechanical properties of Mg-8Li-1Al-0.6Y-0.6Ce alloy. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154765.	5.5	17
7	Enhanced Electromagnetic Interference Shielding in a Duplex-Phase Mg-9Li-3Al-1Zn Alloy Processed by Accumulative Roll Bonding. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 490-499.	2.9	83
8	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.	5.5	23
9	Ag-modified hexagonal nanoflakes-textured hollow octahedron Zn ₂ SnO ₄ with enhanced sensing properties for triethylamine. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153724.	5.5	17
10	Electrochemical formation of distinct nanostructured MoS ₂ with altered antibacterial activity. <i>Materials Letters</i> , 2020, 271, 127809.	2.6	18
11	High-strength, ductility and modulus Al-Li/B ₄ C composite with near nanostructure produced by accumulative roll bonding. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155105.	5.5	15
12	Electrochemical behavior and underpotential deposition of Sm on reactive electrodes (Al, Ni, Cu and Tj ETQq0 0 0 rBT /Overlock 10 Tf	4.9	15
13	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.	6.1	18
14	Theoretical investigation of lanthanide and transition metal on Al cathode: Equilibrium potential and atomic radii analysis by a mathematical equation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 590, 124490.	4.7	3
15	Quantitative Description of the Equilibrium Potentials and Atomic Radius of the Co-Ln Alloy by a Mathematical Equation. <i>Journal of the Electrochemical Society</i> , 2020, 167, 122502.	2.9	1
16	The equilibrium potentials of Ni-Ln alloys over the whole composition range in the phase diagram: experiment and prediction. <i>New Journal of Chemistry</i> , 2020, 44, 18686-18693.	2.8	0
17	High strength ultrafine-grained Al-2Li laminate produced by accumulative roll bonding and aging processes. <i>Journal of Alloys and Compounds</i> , 2019, 811, 152045.	5.5	5
18	A Study on the Periodic Rule of Reduction Potentials of Lanthanides on Liquid Zinc Electrode. <i>Journal of the Electrochemical Society</i> , 2019, 166, D689-D693.	2.9	3

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19	Influence of rolling strain on electromagnetic shielding property and mechanical properties of dual-phase Mg-9Li alloy. <i>Materials Characterization</i> , 2019, 157, 109924.	4.4	30
20	Fabrication of ZnO/epoxy resin superhydrophobic coating on AZ31 magnesium alloy. <i>Chemical Engineering Journal</i> , 2019, 368, 261-272.	12.7	150
21	Effects of pH, carbonate, calcium ion and humic acid concentrations, temperature, and uranium concentration on the adsorption of uranium on the CTAB-modified montmorillonite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 1251-1259.	1.5	17
22	High-strength and ductility bimodal-grained Al-Li-Al-Li-Zr composite produced by accumulative roll bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 761, 138049.	5.6	14
23	Effects of Sc and Zr on microstructure and properties of 1420 aluminum alloy. <i>Materials Characterization</i> , 2019, 154, 241-247.	4.4	30
24	Hyperbranched topological swollen-layer constructs of multi-active sites polyacrylonitrile (PAN) adsorbent for uranium(VI) extraction from seawater. <i>Chemical Engineering Journal</i> , 2019, 374, 1204-1213.	12.7	57
25	Effect of Y and Ce addition on microstructures and mechanical properties of LZ91 alloys. <i>Journal of Alloys and Compounds</i> , 2019, 800, 72-80.	5.5	31
26	3D Cu(OH) ₂ nanowires/carbon cloth for flexible supercapacitors with outstanding cycle stability. <i>Chemical Engineering Journal</i> , 2019, 371, 348-355.	12.7	59
27	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.	6.7	73
28	Electrochemical synthesis of Sm-Cu dendritic metal catalysts by Co-reduction of Sm(III) and Cu(II) in LiCl-KCl-SmCl ₃ -CuCl ₂ melt. <i>Journal of Alloys and Compounds</i> , 2019, 772, 978-987.	5.5	17
29	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.	5.5	33
30	Selective formation of Ce-Ni hydrogen storage alloys by electro-deposition in LiCl-KCl-CeCl ₃ melts using Ni as cathode. <i>Journal of Alloys and Compounds</i> , 2019, 777, 1211-1221.	5.5	13
31	Ambient-temperature mechanical properties of isochronally aged 1420-Sc-Zr aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 745, 411-419.	5.6	54
32	Extraction of gadolinium on Cu electrode from LiCl-KCl melts by formation of Cu-Gd alloys. <i>Ionics</i> , 2019, 25, 1897-1909.	2.4	9
33	One-pot synthesis of cubic ZnSnO ₃ /ZnO heterostructure composite and enhanced gas-sensing performance. <i>Journal of Alloys and Compounds</i> , 2019, 780, 193-201.	5.5	55
34	Rapid Production of Ln ₂ O ₃ :Eu ³⁺ /Tb ³⁺ (Ln = Sm, La). <i>TJ ETQ</i> , 2019, 0, 0-0.	9.1	3
35	Electrochemical synthesis and tribological properties of flower-like and sheet-like MoS ₂ in LiCl KCl (NH ₄) ₆ Mo ₇ O ₂₄ KSCN melt. <i>Electrochimica Acta</i> , 2018, 271, 252-260.	5.2	10
36	Microstructure, mechanical properties and wear performance of AZ31 matrix composites reinforced by graphene nanoplatelets(GNPs). <i>Journal of Alloys and Compounds</i> , 2018, 750, 530-536.	5.5	71

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37	New Mathematical Formulation for the Deposition Potential and Atomic Radius: Theoretical Background and Applications to Sn-Ln Intermetallic Compounds. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3463-3470.	3.1	5
38	Electrochemical behaviour of magnesium(II) on Ni electrode in LiCl-KCl eutectic. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 107-112.	2.6	5
39	Synergistic effect of carbon nanotube and graphene nanoplatelet addition on microstructure and mechanical properties of AZ31 prepared using hot-pressing sintering. <i>Journal of Materials Research</i> , 2018, 33, 4261-4269.	2.6	11
40	Recovery of Terbium from LiCl-KCl-TbCl ₃ System by Electrodeposition Using Different Electrodes. <i>Journal of the Electrochemical Society</i> , 2018, 165, D704-D710.	2.9	8
41	The linear relationship derived from the deposition potential of Pb-Ln alloy and atomic radius. <i>New Journal of Chemistry</i> , 2018, 42, 16533-16541.	2.8	3
42	Recent developments in high-strength Mg-RE-based alloys: Focusing on Mg-Gd and Mg-Y systems. <i>Journal of Magnesium and Alloys</i> , 2018, 6, 277-291.	11.9	554
43	New formulation for reduction potentials of (Cu, Ni, Al, Zn)-lanthanide alloys: Implications for electrolysis-based pyroprocessing of spent nuclear fuel. <i>Electrochemistry Communications</i> , 2018, 93, 180-182.	4.7	5
44	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.	4.3	44
45	Electrochemical behavior of Y(III) and preparation of Y-Ni intermetallic compounds in molten LiCl-KCl salts. <i>Journal of Rare Earths</i> , 2017, 35, 90-97.	4.8	24
46	Microstructure and thermal conductivity of Mg-2Zn-Zr alloy. <i>Journal of Alloys and Compounds</i> , 2017, 722, 772-777.	5.5	57
47	Integration of IR ⁸⁰⁸ Sensitized Upconversion Nanostructure and MoS ₂ Nanosheet for 808 nm NIR Light Triggered Phototherapy and Bioimaging. <i>Small</i> , 2017, 13, 1701841.	10.0	117
48	Electrochemical Synthesis of Sm-Co Metal Magnetic Materials by Co-reduction of Sm(III) and Co(II) in LiCl-KCl-SmCl ₃ -CoCl ₂ Melt. <i>Electrochimica Acta</i> , 2017, 249, 278-289.	5.2	19
49	Microstructure and Mechanical Properties of CNT-Reinforced AZ31 Matrix Composites Prepared Using Hot-Press Sintering. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 5495-5500.	2.5	21
50	Preparation of Fine-Grained and High-Strength Mg ₈ Li ₃ Al ₁ Zn Alloy by Accumulative Roll Bonding. <i>Advanced Engineering Materials</i> , 2016, 18, 304-311.	3.5	40
51	Electrochemical Synthesis of Sm-Ni Alloy Magnetic Materials by Co-reduction of Sm(III) and Ni(II) in LiCl-KCl-SmCl ₃ -NiCl ₂ Melt. <i>Journal of the Electrochemical Society</i> , 2016, 163, D672-D681.	2.9	13
52	Study on formation and properties of Al-Li-Sm alloy containing whiskers in molten salts. <i>RSC Advances</i> , 2015, 5, 75863-75869.	3.6	6
53	Ionic liquid-aqueous solution ultrasonic-assisted extraction of three kinds of alkaloids from <i>Phellodendron amurense</i> Rupr and optimize conditions use response surface. <i>Ultrasonics Sonochemistry</i> , 2015, 24, 13-18.	8.2	58
54	The biological characteristics of a novel camptothecin-artesunate conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 148-152.	2.2	17

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55	Influence of Y and Nd on microstructure, texture and anisotropy of Mg ⁵ Li ¹ Al alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 600, 1-7.	5.6	50
56	One Pot, Two Phases: Individual Orthorhombic and Face-Centered Cubic ZnSnO ₃ Obtained Synchronously in One Solution. <i>Inorganic Chemistry</i> , 2014, 53, 12289-12296.	4.0	31
57	Electrochemical extraction of samarium from LiCl-KCl melt by forming Sm-Zn alloys. <i>Electrochimica Acta</i> , 2014, 120, 369-378.	5.2	67
58	Microstructure and mechanical properties of high-performance Mg ^Y Er ^{Zn} extruded alloy. <i>Materials & Design</i> , 2014, 54, 256-263.	5.1	52
59	Electrochemical formation of Al Tm intermetallics in eutectic LiCl ^{KCl} melt containing Tm and Al ions. <i>Journal of Nuclear Materials</i> , 2014, 452, 197-204.	2.7	12
60	Superplasticity at elevated temperature of an Mg ⁸ Li ² Zn alloy. <i>Journal of Alloys and Compounds</i> , 2012, 541, 372-375.	5.5	32