

Jian Lin

List of Publications by Year in descending order

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69
papers

1,468
citations

279798

23
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377865

34
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84
all docs

84
docs citations

84
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Concept of Radiation Detection Based on a Fluorochromic and Piezochromic Nanocluster. <i>Journal of the American Chemical Society</i> , 2022, 144, 3449-3457.	13.7	29
2	Unveiling the new function of uranyl molecular clusters as fluorometric sensors for UV and X-ray dosimetry. <i>Dalton Transactions</i> , 2022, 51, 3041-3045.	3.3	2
3	Recent advances in the applications of thorium-based metal-organic frameworks and molecular clusters. <i>Dalton Transactions</i> , 2022, 51, 7376-7389.	3.3	19
4	Luminometric dosimetry of X-ray radiation by a zwitterionic uranium coordination polymer. <i>RSC Advances</i> , 2022, 12, 12878-12881.	3.6	1
5	Hydrolytically Stable Zr-Based Metal-Organic Framework as a Highly Sensitive and Selective Luminescent Sensor of Radionuclides. <i>Inorganic Chemistry</i> , 2022, 61, 7467-7476.	4.0	15
6	Tuning of the Network Dimensionality and Photoluminescent Properties in Homo- and Heteroleptic Lanthanide Coordination Polymers. <i>Inorganic Chemistry</i> , 2021, 60, 1359-1366.	4.0	13
7	Boosting the Iodine Adsorption and Radioresistance of UiO-66 MOFs via Aromatic Substitution. <i>Chemistry - A European Journal</i> , 2021, 27, 1286-1291.	3.3	65
8	Achieving UV and X-ray Dual Photochromism in a Metal-Organic Hybrid via Structural Modulation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2745-2752.	8.0	24
9	Achieving colour tuneable and white-light luminescence in a large family of dual-emission lanthanide coordination polymers. <i>Dalton Transactions</i> , 2021, 50, 14325-14331.	3.3	3
10	Emergence of a thorium-organic framework as a radiation attenuator for selective X-ray dosimetry. <i>Chemical Communications</i> , 2021, 57, 8131-8134.	4.1	12
11	Interpenetration Control in Thorium Metal-Organic Frameworks: Structural Complexity toward Iodine Adsorption. <i>Inorganic Chemistry</i> , 2021, 60, 5617-5626.	4.0	17
12	Visible colorimetric dosimetry of UV and ionizing radiations by a dual-module photochromic nanocluster. <i>Nature Communications</i> , 2021, 12, 2798.	12.8	55
13	Efficiently immobilizing uranium (VI) by oxidized carbon foam. <i>Environmental Science and Pollution Research</i> , 2021, 28, 50471-50479.	5.3	1
14	Thermodynamic non-ideality and disorder heterogeneity in actinide silicate solid solutions. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	9
15	A cationic thorium-organic framework with triple single-crystal-to-single-crystal transformation peculiarities for ultrasensitive anion recognition. <i>Chemical Science</i> , 2021, 12, 15833-15842.	7.4	20
16	Unveiling the Unique Roles of Metal Coordination and Modulator in the Polymorphism Control of Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2021, 27, 17586-17594.	3.3	13
17	Emergence of Thorium-Based Polyoxo Clusters as a Platform for Selective X-ray Dosimetry. <i>Inorganic Chemistry</i> , 2021, 60, 18629-18633.	4.0	8
18	Highly Selective Recovery of Lanthanides by Using a Layered Vanadate with Acid and Radiation Resistance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1878-1883.	13.8	31

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19	Highly Selective Recovery of Lanthanides by Using a Layered Vanadate with Acid and Radiation Resistance. <i>Angewandte Chemie</i> , 2020, 132, 1894-1899.	2.0	3
20	Unexpected structural complexity of thorium coordination polymers and polyoxo cluster built from simple formate ligands. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 260-269.	6.0	26
21	Thermodynamic description of the constitutive binaries of the NaCl-KCl-UCl ₃ -PuCl ₃ system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2020, 70, 101783.	1.6	22
22	Structural Complexity and Magnetic Orderings in a Large Family of 3d-4f Heterobimetallic Sulfates. <i>Inorganic Chemistry</i> , 2020, 59, 13398-13406.	4.0	6
23	Local structure of uranium in polycrystalline U ₂ N ₃ film probed by X-ray absorption spectroscopy. <i>Journal of Nuclear Materials</i> , 2020, 542, 152404.	2.7	1
24	Modulated synthesis and isorecticular expansion of Th-MOFs with record high pore volume and surface area for iodine adsorption. <i>Chemical Communications</i> , 2020, 56, 6715-6718.	4.1	81
25	Unusual Heterometallic Cation-Cation Interactions in Uranyl Zinc Germanates. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2182-2185.	2.0	2
26	Mesoporous Zeolitic Imidazolate Framework-67 Nanocrystals on Siliceous Mesocellular Foams for Capturing Radioactive Iodine. <i>ACS Applied Nano Materials</i> , 2020, 3, 5390-5398.	5.0	33
27	Ultrastable Thorium Metal-Organic Frameworks for Efficient Iodine Adsorption. <i>Inorganic Chemistry</i> , 2020, 59, 4435-4442.	4.0	98
28	Effect of graphite particles in molten LiF-NaF-KF eutectic salt on corrosion behaviour of GH3535 alloy. <i>Corrosion Science</i> , 2020, 168, 108581.	6.6	13
29	Unexpected Roles of Alkali-Metal Cations in the Assembly of Low-Valent Uranium Sulfate Molecular Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 2348-2357.	4.0	11
30	Size-dependent selective crystallization using an inorganic mixed-oxoanion system for lanthanide separation. <i>Dalton Transactions</i> , 2019, 48, 12808-12811.	3.3	16
31	The structural evolution and tunable photoluminescence of f-element bearing coordination polymers of the 2,4,6-tri-pyridyl-1,3,5-triazine ligand. <i>CrystEngComm</i> , 2019, 21, 5059-5066.	2.6	14
32	Polyoxometalates: [Ln ₆ O ₈] Cluster-Encapsulating Polyplumbites as New Polyoxometalate Members and Record Inorganic Anion-Exchange Materials for ReO ₄ ⁻ Sequestration (<i>Adv. Sci.</i> 17/2019). <i>Advanced Science</i> , 2019, 6, 1970105.	11.2	1
33	Investigation of the local structure of molten ThF ₄ -LiF and ThF ₄ -LiF-BeF ₂ mixtures by high-temperature X-ray absorption spectroscopy and molecular-dynamics simulation. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1733-1741.	2.4	11
34	Corrosion behaviour of 316H stainless steel in molten FLiNaK eutectic salt containing graphite particles. <i>Corrosion Science</i> , 2019, 160, 108174.	6.6	35
35	Expansion of the structural diversity of f-element bearing molybdate iodates: synthesis, structures, and optical properties. <i>Dalton Transactions</i> , 2019, 48, 4823-4829.	3.3	16
36	Insights into the new 3d-5f heterometallic quaternary fluorides: Synthesis, crystal structures, spectroscopic properties, and thermodynamic stability. <i>Inorganica Chimica Acta</i> , 2019, 487, 362-368.	2.4	2

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37	[Ln ₆ O ₈] Cluster-Encapsulating Polyplumbites as New Polyoxometalate Members and Record Inorganic Anion-Exchange Materials for ReO ₄ ⁻ Sequestration. <i>Advanced Science</i> , 2019, 6, 1900381.	11.2	16
38	Differential interplay between Ce and U on local structures of U _{1-x} Ce _x O ₂ solid solutions probed by X-ray absorption spectroscopy. <i>Journal of Nuclear Materials</i> , 2019, 515, 238-244.	2.7	6
39	A Large Family of Centrosymmetric and Chiral f-Element-Bearing Iodate Selenates Exhibiting Coordination Number and Dimensional Reductions. <i>Inorganic Chemistry</i> , 2018, 57, 1676-1683.	4.0	23
40	In Situ Reduction from Uranyl Ion into a Tetravalent Uranium Trimer and Hexamer Featuring Ion-Exchange Properties and the Alexandrite Effect. <i>Inorganic Chemistry</i> , 2018, 57, 6753-6761.	4.0	16
41	Uranium-Induced Changes in Crystal-Field and Covalency Effects of Th ⁴⁺ in Th _{1-x} U _x O ₂ Mixed Oxides Probed by High-Resolution X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 11404-11413.	4.0	8
42	Anionic uranyl oxyfluorides as a bifunctional platform for highly selective ion-exchange and photocatalytic degradation of organic dyes. <i>Dalton Transactions</i> , 2018, 47, 14908-14916.	3.3	10
43	Immobilization of Alkali Metal Fluorides via Recrystallization in a Cationic Lamellar Material, [Th(MoO ₄) ₂ (H ₂ O) ₄ Cl]Cl·H ₂ O. <i>Inorganic Chemistry</i> , 2018, 57, 6778-6782.	4.0	3
44	A chiral smectic structure assembled from nanosheets and nanorods. <i>Chemical Communications</i> , 2017, 53, 1868-1871.	4.1	27
45	Linking Solution Structures and Energetics: Thorium Nitrate Complexes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8577-8584.	2.6	9
46	Thorium copper phosphides: more diverse metal-phosphorus and phosphorus-phosphorus interactions than U analogues. <i>Dalton Transactions</i> , 2017, 46, 12041-12052.	3.3	1
47	Influence of Countercation Hydration Enthalpies on the Formation of Molecular Complexes: A Thorium-Nitrate Example. <i>Journal of the American Chemical Society</i> , 2017, 139, 18003-18008.	13.7	33
48	Probing the Influence of Acidity and Temperature to Th(IV) on Hydrolysis, Nucleation, and Structural Topology. <i>Inorganic Chemistry</i> , 2017, 56, 14198-14205.	4.0	12
49	Th ₃ [Th ₆ (OH) ₄ O ₄ (H ₂ O) ₆](SO ₄) ₁₂ A Self-Assembled Microporous Open-Framework Thorium Sulfate. <i>Inorganic Chemistry</i> , 2016, 55, 10098-10101.	4.0	26
50	Why Is Uranyl Formohydroxamate Red?. <i>Inorganic Chemistry</i> , 2015, 54, 5280-5284.	4.0	19
51	Structure-Property Correlations in the Heterobimetallic 4f/3d Materials Ln ₂ M(TeO ₃) ₂ (SO ₄) (Ln = Y, Nd, Sm, Eu, Gd, Tb, Dy, Ho,) <i>TJ ETOP</i> 1 0.784314 rgBT	4.0	12
52	Graphene-based photocatalysts for oxygen evolution from water. <i>RSC Advances</i> , 2015, 5, 6543-6552.	3.6	23
53	Chirality and Polarity in the Block Borates M ₄ [B ₁₆ O ₂₆ (OH) ₄ (H ₂ O) ₃ Cl ₄] (M=Sm, Eu, Gd, Pu, Am, Cm, and Cf). <i>Chemistry - A European Journal</i> , 2014, 20, 9892-9896.	4.0	27
54	Straightforward Reductive Routes to Air-Stable Uranium(III) and Neptunium(III) Materials. <i>Inorganic Chemistry</i> , 2014, 53, 7455-7466.	4.0	12

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55	$\text{LnV}_3\text{Te}_3\text{O}_{15}(\text{OH})_3 \cdot n\text{H}_2\text{O}$ (Ln = Ce, Pr, Nd, Sm, Eu, Gd; n = 1–2): A New Series of Semiconductors with Mixed-Valent Tellurium (IV,VI) Oxoanions. <i>Inorganic Chemistry</i> , 2014, 53, 9058-9064.	4.0	13
56	Dimensional and Coordination Number Reductions in a Large Family of Lanthanide Tellurite Sulfates. <i>Inorganic Chemistry</i> , 2014, 53, 8555-8564.	4.0	16
57	Ionothermal and Hydrothermal Flux Syntheses of Five New Uranyl Phosphonates. <i>Crystal Growth and Design</i> , 2014, 14, 228-235.	3.0	39
58	Challenges in the Search for Magnetic Coupling in 3d/4f Materials: Syntheses, Structures, and Magnetic Properties of the Lanthanide Copper Heterobimetallic Compounds, $\text{RE}_2\text{Cu}(\text{TeO}_3)_2(\text{SO}_4)_2$. <i>Chemistry of Materials</i> , 2014, 26, 2187-2194.	6.7	25
59	Expansion of the Rich Structures and Magnetic Properties of Neptunium Selenites: Soft Ferromagnetism in $\text{Np}(\text{SeO}_3)_2$. <i>Inorganic Chemistry</i> , 2014, 53, 7154-7159.	4.0	12
60	$\text{Th}(\text{VO}_3)_2(\text{SeO}_3)_3$ and $\text{Ln}(\text{VO}_3)_2(\text{IO}_3)_3$ (Ln = Ce, Pr, Nd, Sm, and Eu): unusual cases of aliovalent substitution. <i>Chemical Communications</i> , 2014, 50, 3668-3670.	4.1	42
61	Fractional iron solubility of aerosol particles enhanced by biomass burning and ship emission in Shanghai, East China. <i>Science of the Total Environment</i> , 2014, 481, 377-391.	8.0	38
62	Synthesis of Divalent Europium Borate via in Situ Reductive Techniques. <i>Inorganic Chemistry</i> , 2013, 52, 8099-8105.	4.0	22
63	Comparisons of Plutonium, Thorium, and Cerium Tellurite Sulfates. <i>Inorganic Chemistry</i> , 2013, 52, 4277-4281.	4.0	39
64	Synthesis, Structure, and Spectroscopy of Two Ternary Uranium(IV) Thiophosphates: UP_2S_9 and UP_2S_7 Containing P_2S_9 and P_2S_7 Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 7747-7751.	4.0	11
65	Thermochromism, the Alexandrite Effect, and Dynamic Jahn-Teller Distortions in $\text{Ho}_2\text{Cu}(\text{TeO}_3)_2(\text{SO}_4)_2$. <i>Inorganic Chemistry</i> , 2013, 52, 13278-13281.	4.0	20
66	Incorporation of Neptunium(VI) into a Uranyl Selenite. <i>Inorganic Chemistry</i> , 2012, 51, 10480-10482.	4.0	13
67	Cerium(IV) Tellurite Halides $[\text{Ce}_2\text{Te}_7\text{O}_{17}]_X$ (X = Tl, ET, Q, Rb, Cs, K, NH ₄ , Na, Li). <i>Inorganic Chemistry</i> , 2012, 51, 10083-10085.	4.0	30
68	Unusual Coordination for Plutonium(IV), Cerium(IV), and Zirconium(IV) in the Cationic Layered Materials $[\text{M}_2\text{Te}_4\text{O}_{11}]_X$ (M = Pu, Ce, Zr; X = Cl, Br). <i>Inorganic Chemistry</i> , 2012, 51, 11949-11954.	4.0	27
69	<i>Pseudomonas syringae</i> Type III Effector HopZ1 Targets a Host Enzyme to Suppress Isoflavone Biosynthesis and Promote Infection in Soybean. <i>Cell Host and Microbe</i> , 2011, 9, 177-186.	11.0	99