

ClÃ©ment Falaise

List of Publications by Year in descending order

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51
papers

1,773
citations

236912

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h-index

276858

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56
all docs

56
docs citations

56
times ranked

1683
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of the Hydrolytic Stability of the Keggin Molybdo- and Tungsto-Phosphate Anions by Cyclodextrins. <i>Inorganic Chemistry</i> , 2022, 61, 4193-4203.	4.0	13
2	Chaotropic Effect as an Assembly Motif to Construct Supramolecular Cyclodextrin-Polyoxometalate-Based Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 4469-4477.	13.7	38
3	Revisiting the Three Vanadium Sandwich-Type Polyoxometalates: Structures, Solution Behavior, and Redox Properties. <i>Inorganic Chemistry</i> , 2022, 61, 8309-8319.	4.0	1
4	Hofmeister effect in the Keggin-type polyoxotungstate series. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 12-25.	6.0	35
5	Host-Guest in Host-Supramolecular Core-Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14146-14153.	13.8	41
6	Host-Guest in Host-Supramolecular Core-Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. <i>Angewandte Chemie</i> , 2021, 133, 14265-14272.	2.0	5
7	Redox-Responsive Host-Guest Association between β -Cyclodextrin and Mixed-Metal Keggin-Type Polyoxometalates. <i>Inorganic Chemistry</i> , 2021, 60, 7433-7441.	4.0	16
8	Supramolecular Association between β -Cyclodextrin and Preyssler-Type Polyoxotungstate. <i>Molecules</i> , 2021, 26, 5126.	3.8	8
9	Host-Guest Complexation Between Cyclodextrins and Hybrid Hexavanadates: What are the Driving Forces?. <i>Chemistry - A European Journal</i> , 2021, 27, 15516-15527.	3.3	13
10	Time-Resolved Spectroscopy and High-Efficiency Light-Driven Hydrogen Evolution of a $\{Mo_3S_4\}$ -Containing Polyoxometalate-Based System. <i>Chemistry - A European Journal</i> , 2021, 27, 17094-17103.	3.3	7
11	N-tert-butoxycarbonyl (BOC) protected $[V_6O_{13}\{(OCH_2)_2\}_2]^{2-}$: synthesis, structural characterization, and solution behavior. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2567-2578.		3
12	Bridging the Transuranics with Uranium(IV) Sulfate Aqueous Species and Solid Phases. <i>Inorganic Chemistry</i> , 2020, 59, 17049-17057.	4.0	10
13	Cyclodextrin-Assisted Hierarchical Aggregation of Dawson-type Polyoxometalate in the Presence of $\{Re_6Se_8\}$ Based Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 11396-11406.	4.0	18
14	From Specific β -CD/ $[Nb_6Cl_{12}(H_2O)_6]^{2+}$ Recognition to Biological Activity Tuning. <i>Chemistry - A European Journal</i> , 2020, 26, 7479-7485.	3.3	8
15	From supramolecular to solid state chemistry: crystal engineering of luminescent materials by trapping molecular clusters in an aluminium-based host matrix. <i>Materials Horizons</i> , 2020, 7, 2399-2406.	12.2	17
16	Encapsulation of Chaotropic α -Decahydrodecaborate Clusters Within Cyclodextrins: Synthesis, Solution Studies, and DFT Calculations. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3373-3382.	2.0	14
17	Tuning the chaotropic effect as an assembly motif through one-electron transfer in a rhenium cluster. <i>Chemical Communications</i> , 2019, 55, 9951-9954.	4.1	25
18	Size-Exclusion Mechanism Driving Host-Guest Interactions between Octahedral Rhenium Clusters and Cyclodextrins. <i>Inorganic Chemistry</i> , 2019, 58, 13184-13194.	4.0	24

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19	Molecular and Material Engineering of Photocathodes Derivatized with Polyoxometalate-Supported $\{Mo_{3}S_{4}\}$ HER Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 11954-11962.	13.7	34
20	Cyclodextrin-Driven Formation of Double Six-Ring (D6R) Silicate Cage: NMR Spectroscopic Characterization from Solution to Crystals. <i>Crystals</i> , 2018, 8, 457.	2.2	6
21	Probing Dynamic Library of Metal-Oxo Building Blocks with β -Cyclodextrin. <i>Journal of the American Chemical Society</i> , 2018, 140, 11198-11201.	13.7	72
22	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and β -Cyclodextrin. <i>Chemistry - A European Journal</i> , 2018, 24, 13382-13382.	3.3	1
23	Thorium Oxo Clusters as Building Blocks for Open Frameworks. <i>Chemistry - A European Journal</i> , 2018, 24, 14226-14232.	3.3	30
24	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and β -Cyclodextrin. <i>Chemistry - A European Journal</i> , 2018, 24, 13467-13478.	3.3	43
25	U(IV) Aqueous Speciation from the Monomer to UO_{2} Nanoparticles: Two Levels of Control from Zwitterionic Glycine Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 6591-6598.	4.0	37
26	Capture of actinides (Th^{4+} , $[UO_{2}]^{2+}$) and surrogating lanthanide (Nd^{3+}) in porous metal-organic framework MIL-100(Al) from water: selectivity and imaging of embedded nanoparticles. <i>Dalton Transactions</i> , 2017, 46, 12010-12014.	3.3	44
27	From aqueous speciation to supramolecular assembly in alkaline earth-uranyl polyoxometalates. <i>Chemical Communications</i> , 2017, 53, 9550-9553.	4.1	8
28	Aqueous Bismuth Titanium Oxo Sulfate Cluster Speciation and Crystallization. <i>Angewandte Chemie</i> , 2017, 129, 16495-16499.	2.0	6
29	Aqueous Bismuth Titanium Oxo Sulfate Cluster Speciation and Crystallization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16277-16281.	13.8	31
30	Closing Uranyl Polyoxometalate Capsules with Bismuth and Lead Polyoxocations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13480-13484.	13.8	30
31	Stability of metal-organic frameworks under gamma irradiation. <i>Chemical Communications</i> , 2016, 52, 12502-12505.	4.1	67
32	Series of Hydrated Heterometallic Uranyl-Cobalt(II) Coordination Polymers with Aromatic Polycarboxylate Ligands: Formation of $U \cdot O \cdot Co$ Bonding upon Dehydration Process. <i>Inorganic Chemistry</i> , 2016, 55, 10453-10466.	4.0	23
33	Iodine sequestration by thiol-modified MIL-53(Al). <i>CrystEngComm</i> , 2016, 18, 8108-8114.	2.6	54
34	Hydrothermal Crystallization of Uranyl Coordination Polymers Involving an Imidazolium Dicarboxylate Ligand: Effect of pH on the Nuclearity of Uranyl-Centered Subunits. <i>Inorganic Chemistry</i> , 2016, 55, 8697-8705.	4.0	32
35	The Key Role of U_{28} in the Aqueous Self-Assembly of Uranyl Peroxide Nanocages. <i>Chemistry - A European Journal</i> , 2016, 22, 14678-14687.	3.3	46
36	Closing Uranyl Polyoxometalate Capsules with Bismuth and Lead Polyoxocations. <i>Angewandte Chemie</i> , 2016, 128, 13678-13682.	2.0	10

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37	Chemical Stabilization and Electrochemical Destabilization of the Iron Keggin Ion in Water. <i>Inorganic Chemistry</i> , 2016, 55, 11078-11088.	4.0	39
38	Synthesis and Crystal Structure Characterization of Thorium Trimesate Coordination Polymers. <i>Crystal Growth and Design</i> , 2016, 16, 1667-1678.	3.0	30
39	Structure and Solution Speciation of U ^{IV} Linked Phosphomolybdate (Mo ^V) Clusters. <i>Inorganic Chemistry</i> , 2016, 55, 755-761.	4.0	14
40	Ex-Situ Kinetic Investigations of the Formation of the Poly-Oxo Cluster U38. <i>Chemistry - A European Journal</i> , 2015, 21, 16654-16664.	3.3	24
41	Thorium Terephthalates Coordination Polymers Synthesized in Solvothermal DMF/H ₂ O System. <i>Inorganic Chemistry</i> , 2015, 54, 2235-2242.	4.0	123
42	Solvothermal Synthesis of Tetravalent Uranium with Isophthalate or Pyromellitate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2813-2821.	2.0	10
43	Stabilization of Tetravalent 4f (Ce), 5d (Hf), or 5f (Th, U) Clusters by the [±-SiW ₉ O ₃₄] ^{10±} Polyoxometalate. <i>Inorganic Chemistry</i> , 2015, 54, 8271-8280.	4.0	33
44	Coordination polymers of uranium(IV) terephthalates. <i>Dalton Transactions</i> , 2015, 44, 2639-2649.	3.3	38
45	Room temperature crystallization of trichlorodioxouranate [UO ₂ Cl ₃ (L)] species in molecular assemblies involving aliphatic dicarboxylate linkers. <i>Inorganic Chemistry Communication</i> , 2014, 44, 63-66.	3.9	17
46	Isolation of thorium benzoate polytypes with discrete ThO ₈ square antiprismatic units involved in chain-like assemblies. <i>Inorganic Chemistry Communication</i> , 2014, 39, 26-30.	3.9	13
47	Isolation of the Large {Actinide} ₃₈ Poly-oxo Cluster with Uranium. <i>Journal of the American Chemical Society</i> , 2013, 135, 15678-15681.	13.7	81
48	Capture of iodine in highly stable metal-organic frameworks: a systematic study. <i>Chemical Communications</i> , 2013, 49, 10320.	4.1	249
49	Three-Dimensional MOF-Type Architectures with Tetravalent Uranium Hexanuclear Motifs (U ₆ O ₈). <i>Chemistry - A European Journal</i> , 2013, 19, 5324-5331.	3.3	115
50	Structural Observations of Heterometallic Uranyl Copper(II) Carboxylates and Their Solid-State Topotactic Transformation upon Dehydration. <i>Chemistry - A European Journal</i> , 2013, 19, 2012-2022.	3.3	59
51	Mixed Formate-Dicarboxylate Coordination Polymers with Tetravalent Uranium: Occurrence of Tetranuclear {U ₄ O ₄ } and Hexanuclear {U ₆ O ₄ (OH) ₄ } Motifs. <i>Crystal Growth and Design</i> , 2013, 13, 3225-3231.	3.0	58