

David Aguil

List of Publications by Citations

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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.

32
papers

1,273
citations

15
h-index

35
g-index

36
ext. papers

1,482
ext. citations

8.5
avg, IF

4.3
L-index

#	Paper	IF	Citations
32	Design of magnetic coordination complexes for quantum computing. <i>Chemical Society Reviews</i> , 2012 , 41, 537-46	58.5	424
31	Switchable Fe/Co Prussian blue networks and molecular analogues. <i>Chemical Society Reviews</i> , 2016 , 45, 203-24	58.5	209
30	Heterodimetallic [LnLn ^{II}] lanthanide complexes: toward a chemical design of two-qubit molecular spin quantum gates. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14215-22	16.4	147
29	Lanthanide contraction within a series of asymmetric dinuclear [Ln ₂] complexes. <i>Chemistry - A European Journal</i> , 2013 , 19, 5881-91	4.8	76
28	Synthesis and properties of a family of unsymmetric dinuclear complexes of Ln(III) (Ln = Eu, Gd, Tb). <i>Inorganic Chemistry</i> , 2010 , 49, 6784-6	5.1	47
27	Designed topology and site-selective metal composition in tetranuclear [MMT..MTM] linear complexes. <i>Chemistry - A European Journal</i> , 2009 , 15, 11235-43	4.8	40
26	Spin State Chemistry: Modulation of Ligand p K by Spin State Switching in a [20] Iron(II) Grid-Type Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8218-8227	16.4	39
25	Molecular assembly of two [Co(II) ₄] linear arrays. <i>Chemical Communications</i> , 2011 , 47, 707-9	5.8	35
24	Calibrating the coordination chemistry tool chest: metrics of bi- and tridentate ligands. <i>Dalton Transactions</i> , 2009 , 6610-25	4.3	27
23	A heterometallic [LnLn ^{II} Ln] lanthanide complex as a qubit with embedded quantum error correction. <i>Chemical Science</i> , 2020 , 11, 10337-10343	9.4	24
22	Multifaceted magnetization dynamics in the mononuclear complex [ReCl(CN)]. <i>Chemical Communications</i> , 2016 , 52, 12905-12908	5.8	24
21	Selective Lanthanide Distribution within a Comprehensive Series of Heterometallic [LnPr] Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 8429-8439	5.1	18
20	Thermodynamic Stability of Heterodimetallic [LnLn ^{II}] Complexes: Synthesis and DFT Studies. <i>Chemistry - A European Journal</i> , 2017 , 23, 5117-5125	4.8	17
19	A Molecular Chain of Four Co(II) Ions Stabilized by a Tris-Pyridyl/Bis-?-Diketonate Ligand. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1130	1.2	17
18	Synthesis and properties of a novel linear [Ni ₄ L ₂ (py) ₆] cluster: Designed ligand-controlled topology of the metals. <i>Comptes Rendus Chimie</i> , 2008 , 11, 1117-1120	2.7	16
17	Direct crystallographic evidence of the reversible photo-formation and thermo-rupture of a coordination bond inducing spin-crossover phenomenon. <i>Chemical Communications</i> , 2017 , 53, 11588-11591	5.8	15
16	Linear or cyclic clusters of Cu(II) with a hierarchical relationship. <i>Inorganic Chemistry</i> , 2014 , 53, 3290-7	5.1	14

15	A dissymmetric [Gd ₂] coordination molecular dimer hosting six addressable spin qubits. <i>Communications Chemistry</i> , 2020 , 3,	6.3	11
14	Piano-Stool Ruthenium(II) Complexes with Delayed Cytotoxic Activity: Origin of the Lag Time. <i>Inorganic Chemistry</i> , 2021 , 60, 7974-7990	5.1	9
13	Controlled Heterometallic Composition in Linear Trinuclear [LnCeLn] Lanthanide Molecular Assemblies. <i>Chemistry - A European Journal</i> , 2019 , 25, 15228-15232	4.8	8
12	Elementary excitations in single-chain magnets. <i>Physical Review B</i> , 2017 , 96,	3.3	8
11	Discrete and polymeric complexes formed from cobalt(II), 4,4'-bipyridine and 2-sulfoterephthalate: synthetic, crystallographic and magnetic studies. <i>CrystEngComm</i> , 2015 , 17, 4502-4511	3.3	8
10	Designed asymmetric coordination helicates with bis- β -diketonate ligands. <i>Dalton Transactions</i> , 2019 , 48, 16844-16847	4.3	6
9	A new type of paddle-wheel coordination complex. <i>Dalton Transactions</i> , 2013 , 42, 12185-92	4.3	5
8	Molecular [Co(III)Co(II)] ₂ assemblies of a new bis-phenol/pyrazolyl ligand. <i>New Journal of Chemistry</i> , 2011 , 35, 1202	3.6	5
7	Zn Ion Surface Enrichment in Doped Iron Oxide Nanoparticles Leads to Charge Carrier Density Enhancement. <i>ACS Omega</i> , 2018 , 3, 16328-16337	3.9	5
6	Mn-Fe Heterometallic Compounds within Hydrogen-Bonded Supramolecular Networks Promoted by an [Fe(CN)(CNH)] Building Block: Structural and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 7892-7903	5.1	4
5	Expanding the Range of Pyrenylphosphines and Their Derived Ru(II)-Arene Complexes. <i>Organometallics</i> , 2020 , 39, 2959-2971	3.8	4
4	Pathway selection as a tool for crystal defect engineering: A case study with a functional coordination polymer. <i>Applied Materials Today</i> , 2020 , 20, 100632	6.6	3
3	Designed polynuclear lanthanide complexes for quantum information processing. <i>Dalton Transactions</i> , 2021 , 50, 12045-12057	4.3	3
2	Catalytic H ₂ Evolution with CoO, Co(OH) ₂ and CoO(OH) Nanoparticles Generated from a Molecular Polynuclear Co Complex. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1499-1505	2.3	2
1	Accessing Lanthanide-to-Lanthanide Energy Transfer in a Family of Site-Resolved [Ln Ln] Heterodimetallic Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 7288-7299	4.8	2