

David Aguilã

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,645
citations

516215

16
h-index

414034

32
g-index

36
all docs

36
docs citations

36
times ranked

2011
citing authors

#	ARTICLE	IF	CITATIONS
1	Designed polynuclear lanthanide complexes for quantum information processing. Dalton Transactions, 2021, 50, 12045-12057.	1.6	11
2	Accessing Lanthanideâ€toâ€Lanthanide Energy Transfer in a Family of Siteâ€Resolved [Ln III Ln III â€²] Heterodimetallic Complexes. Chemistry - A European Journal, 2021, 27, 7288-7299.	1.7	8
3	Piano-Stool Ruthenium(II) Complexes with Delayed Cytotoxic Activity: Origin of the Lag Time. Inorganic Chemistry, 2021, 60, 7974-7990.	1.9	16
4	Expanding the Range of Pyrenylphosphines and Their Derived Ru(II)-Arene Complexes. Organometallics, 2020, 39, 2959-2971.	1.1	7
5	A heterometallic [LnLnâ€²Ln] lanthanide complex as a qubit with embedded quantum error correction. Chemical Science, 2020, 11, 10337-10343.	3.7	52
6	A dissymmetric [Gd ₂] coordination molecular dimer hosting six addressable spin qubits. Communications Chemistry, 2020, 3, .	2.0	30
7	Pathway selection as a tool for crystal defect engineering: A case study with a functional coordination polymer. Applied Materials Today, 2020, 20, 100632.	2.3	7
8	Controlled Heterometallic Composition in Linear Trinuclear [LnCeLn] Lanthanide Molecular Assemblies. Chemistry - A European Journal, 2019, 25, 15228-15232.	1.7	13
9	Frontispiece: Controlled Heterometallic Composition in Linear Trinuclear [LnCeLn] Lanthanide Molecular Assemblies. Chemistry - A European Journal, 2019, 25, .	1.7	0
10	Designed asymmetric coordination helicates with bis-Î²-diketonate ligands. Dalton Transactions, 2019, 48, 16844-16847.	1.6	8
11	Catalytic H ₂ Evolution with CoO, Co(OH) ₂ and CoO(OH) Nanoparticles Generated from a Molecular Polynuclear Co Complex. European Journal of Inorganic Chemistry, 2018, 2018, 1499-1505.	1.0	2
12	Zn ²⁺ Ion Surface Enrichment in Doped Iron Oxide Nanoparticles Leads to Charge Carrier Density Enhancement. ACS Omega, 2018, 3, 16328-16337.	1.6	13
13	Selective Lanthanide Distribution within a Comprehensive Series of Heterometallic [LnPr] Complexes. Inorganic Chemistry, 2018, 57, 8429-8439.	1.9	21
14	Spin State Chemistry: Modulation of Ligand p <i>K</i> _a by Spin State Switching in a [2Ã–2] Iron(II) Grid-Type Complex. Journal of the American Chemical Society, 2018, 140, 8218-8227.	6.6	63
15	MnIIIâ€FeIII Heterometallic Compounds within Hydrogen-Bonded Supramolecular Networks Promoted by an [Fe(CN) ₅ (CNH)] ^{2â€} Building Block: Structural and Magnetic Properties. Inorganic Chemistry, 2018, 57, 7892-7903.	1.9	8
16	Thermodynamic Stability of Heterodimetallic [LnLnâ€²] Complexes: Synthesis and DFT Studies. Chemistry - A European Journal, 2017, 23, 5117-5125.	1.7	19
17	Direct crystallographic evidence of the reversible photo-formation and thermo-rupture of a coordination bond inducing spin-crossover phenomenon. Chemical Communications, 2017, 53, 11588-11591.	2.2	18
18	Elementary excitations in single-chain magnets. Physical Review B, 2017, 96, .	1.1	11

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19	Multifaceted magnetization dynamics in the mononuclear complex [Re ^{IV} Cl ₄ (CN) ₂] ²⁺ . Chemical Communications, 2016, 52, 12905-12908.	2.2	30
20	Switchable Fe/Co Prussian blue networks and molecular analogues. Chemical Society Reviews, 2016, 45, 203-224.	18.7	296
21	Discrete and polymeric complexes formed from cobalt(II), 4,4'-bipyridine and 2-sulfoterephthalate: synthetic, crystallographic and magnetic studies. CrystEngComm, 2015, 17, 4502-4511.	1.3	8
22	Heterodimetallic [LnLn ²] Lanthanide Complexes: Toward a Chemical Design of Two-Qubit Molecular Spin Quantum Gates. Journal of the American Chemical Society, 2014, 136, 14215-14222.	6.6	201
23	Linear or Cyclic Clusters of Cu(II) with a Hierarchical Relationship. Inorganic Chemistry, 2014, 53, 3290-3297.	1.9	16
24	A new type of paddle-wheel coordination complex. Dalton Transactions, 2013, 42, 12185.	1.6	8
25	Lanthanide Contraction within a Series of Asymmetric Dinuclear [Ln ₂] Complexes. Chemistry - A European Journal, 2013, 19, 5881-5891.	1.7	84
26	Design of magnetic coordination complexes for quantum computing. Chemical Society Reviews, 2012, 41, 537-546.	18.7	492
27	Molecular [Co(III)Co(II)] ²⁺ assemblies of a new bis-phenol/pyrazolyl ligand. New Journal of Chemistry, 2011, 35, 1202.	1.4	5
28	Molecular assembly of two [Co(II)] ₄ linear arrays. Chemical Communications, 2011, 47, 707-709.	2.2	35
29	Synthesis and Properties of a Family of Unsymmetric Dinuclear Complexes of Ln ^{III} (Ln = Eu, Tb, Dy, Ho, Er, Yb, Lu). Journal of Inorganic Chemistry, 2011, 50, 1078-1084.	1.9	50
30	A Molecular Chain of Four Coll Ions Stabilized by a Tris-Pyridyl/Bis-?-Diketonate Ligand. Australian Journal of Chemistry, 2009, 62, 1130.	0.5	17
31	Designed Topology and Site-Selective Metal Composition in Tetranuclear [MM ² ...M ² M] Linear Complexes. Chemistry - A European Journal, 2009, 15, 11235-11243.	1.7	41
32	Calibrating the coordination chemistry tool chest: metrics of bi- and tridentate ligands. Dalton Transactions, 2009, , 6610.	1.6	33
33	Synthesis and properties of a novel linear [Ni ₄ L ₂ (py) ₆] cluster: Designed ligand-controlled topology of the metals. Comptes Rendus Chimie, 2008, 11, 1117-1120.	0.2	16
34	Unparalleled selectivity and electronic structure of heterometallic [LnLn TM Ln] molecules as 3-qubit quantum gates. Chemical Science, 0, , .	3.7	6