

# 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	Design of magnetic coordination complexes for quantum computing. <i>Chemical Society Reviews</i> , 2012, 41, 537-546.	18.7	492
2	Switchable Fe/Co Prussian blue networks and molecular analogues. <i>Chemical Society Reviews</i> , 2016, 45, 203-224.	18.7	296
3	Heterodimetallic [LnLn <sup>2</sup> ] Lanthanide Complexes: Toward a Chemical Design of Two-Qubit Molecular Spin Quantum Gates. <i>Journal of the American Chemical Society</i> , 2014, 136, 14215-14222.	6.6	201
4	Lanthanide Contraction within a Series of Asymmetric Dinuclear [Ln <sub>2</sub> ] Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 5881-5891.	1.7	84
5	Spin State Chemistry: Modulation of Ligand p <i>K<sub>a</sub></i> by Spin State Switching in a [2 <sup>+</sup> -2] Iron(II) Grid-Type Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 8218-8227.	6.6	63
6	A heterometallic [LnLn <sup>2</sup> Ln] lanthanide complex as a qubit with embedded quantum error correction. <i>Chemical Science</i> , 2020, 11, 10337-10343.	3.7	52
7	Synthesis and Properties of a Family of Unsymmetric Dinuclear Complexes of Ln <sup>III</sup> (Ln = Eu, Tj) <i>ETQq1</i> <small>1.0.784314 rgBT / 50</small>	1.9	50
8	Designed Topology and Site-Selective Metal Composition in Tetranuclear [MM <sup>2</sup> ...M <sup>2</sup> M] Linear Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 11235-11243.	1.7	41
9	Molecular assembly of two [Co( <i>scp</i> ) <sub>4</sub> ] linear arrays. <i>Chemical Communications</i> , 2011, 47, 707-709.	2.2	35
10	Calibrating the coordination chemistry tool chest: metrics of bi- and tridentate ligands. <i>Dalton Transactions</i> , 2009, , 6610.	1.6	33
11	Multifaceted magnetization dynamics in the mononuclear complex [Re <sup>IV</sup> Cl <sub>4</sub> (CN) <sub>2</sub> ] <sup>2+</sup> . <i>Chemical Communications</i> , 2016, 52, 12905-12908.	2.2	30
12	A dissymmetric [Gd <sub>2</sub> ] coordination molecular dimer hosting six addressable spin qubits. <i>Communications Chemistry</i> , 2020, 3, .	2.0	30
13	Selective Lanthanide Distribution within a Comprehensive Series of Heterometallic [LnPr] Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 8429-8439.	1.9	21
14	Thermodynamic Stability of Heterodimetallic [LnLn <sup>2</sup> ] Complexes: Synthesis and DFT Studies. <i>Chemistry - A European Journal</i> , 2017, 23, 5117-5125.	1.7	19
15	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.	2.2	18
16	A Molecular Chain of Four Coll Ions Stabilized by a Tris-Pyridyl/Bis-?-Diketonate Ligand. <i>Australian Journal of Chemistry</i> , 2009, 62, 1130.	0.5	17
17	Synthesis and properties of a novel linear [Ni <sub>4</sub> L <sub>2</sub> (py) <sub>6</sub> ] cluster: Designed ligand-controlled topology of the metals. <i>Comptes Rendus Chimie</i> , 2008, 11, 1117-1120.	0.2	16
18	Linear or Cyclic Clusters of Cu(II) with a Hierarchical Relationship. <i>Inorganic Chemistry</i> , 2014, 53, 3290-3297.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Piano-Stool Ruthenium(II) Complexes with Delayed Cytotoxic Activity: Origin of the Lag Time. <i>Inorganic Chemistry</i> , 2021, 60, 7974-7990.	1.9	16
20	Zn <sup>2+</sup> Ion Surface Enrichment in Doped Iron Oxide Nanoparticles Leads to Charge Carrier Density Enhancement. <i>ACS Omega</i> , 2018, 3, 16328-16337.	1.6	13
21	Controlled Heterometallic Composition in Linear Trinuclear [LnCeLn] Lanthanide Molecular Assemblies. <i>Chemistry - A European Journal</i> , 2019, 25, 15228-15232.	1.7	13
22	Elementary excitations in single-chain magnets. <i>Physical Review B</i> , 2017, 96, .	1.1	11
23	Designed polynuclear lanthanide complexes for quantum information processing. <i>Dalton Transactions</i> , 2021, 50, 12045-12057.	1.6	11
24	A new type of paddle-wheel coordination complex. <i>Dalton Transactions</i> , 2013, 42, 12185.	1.6	8
25	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.	1.3	8
26	Mn <sup>III</sup> -Fe <sup>III</sup> Heterometallic Compounds within Hydrogen-Bonded Supramolecular Networks Promoted by an [Fe(CN) <sub>5</sub> (CNH)] <sup>2-</sup> Building Block: Structural and Magnetic Properties. <i>Inorganic Chemistry</i> , 2018, 57, 7892-7903.	1.9	8
27	Designed asymmetric coordination helicates with bis- $\beta$ -diketonate ligands. <i>Dalton Transactions</i> , 2019, 48, 16844-16847.	1.6	8
28	Accessing Lanthanide-to-Lanthanide Energy Transfer in a Family of Site-Resolved [Ln III Ln III] Heterodimetallic Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 7288-7299.	1.7	8
29	Expanding the Range of Pyrenylphosphines and Their Derived Ru(II)-Arene Complexes. <i>Organometallics</i> , 2020, 39, 2959-2971.	1.1	7
30	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.	2.3	7
31	Unparalleled selectivity and electronic structure of heterometallic [LnLn <sup>TM</sup> Ln] molecules as 3-qubit quantum gates. <i>Chemical Science</i> , 0, , .	3.7	6
32	Molecular [Co(III)Co(II)] <sup>2+</sup> assemblies of a new bis-phenol/pyrazolyl ligand. <i>New Journal of Chemistry</i> , 2011, 35, 1202.	1.4	5
33	Catalytic H <sub>2</sub> Evolution with CoO, Co(OH) <sub>2</sub> and CoO(OH) Nanoparticles Generated from a Molecular Polynuclear Co Complex. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1499-1505.	1.0	2
34	Frontispiece: Controlled Heterometallic Composition in Linear Trinuclear [LnCeLn] Lanthanide Molecular Assemblies. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0