# Eufemio Moreno Pineda

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7009739/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 65 papers | 2,594 citations | 201575 27 h-index | 197736 49 g-index |
| 68 all docs | 68 docs citations | 68 times ranked | 2494 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-Performance Luminescence Thermometer with Field-Induced Slow Magnetic Relaxation Based on a Heterometallic Cyanido-Bridged 3dâ€“4f Complex. Inorganic Chemistry, 2022, 61, 2546-2557. | 1.9 | 15 |
| 2 | Luminescence thermometry and field induced slow magnetic relaxation based on a near infrared emissive heterometallic complex. Dalton Transactions, 2022, 51, 8208-8216. | 1.6 | 20 |
| 3 | Synthesis, characterization, magnetism and theoretical analysis of hetero-metallic [Ni<sub>2</sub>Ln<sub>2</sub>] partial di-cubane assemblies. Dalton Transactions, 2021, 50, 12517-12527. | 1.6 | 6 |
| 4 | Heteroleptic, polynuclear dysprosium(<scp>iii</scp>)-carbamato complexes through in situ carbon dioxide capture. Dalton Transactions, 2021, 50, 4735-4742. | 1.6 | 2 |
| 5 | Increasing the Hilbert space dimension using a single coupled molecular spin. Nature Communications, 2021, 12, 4443. | 5.8 | 16 |
| 6 | Measuring molecular magnets for quantum technologies. Nature Reviews Physics, 2021, 3, 645-659. | 11.9 | 87 |
| 7 | Sizeâ€Controlled Hapticity Switching in [Ln(C<sub>9</sub>H<sub>9</sub>)(C<sub>8</sub>H<sub>8</sub>)] Sandwiches. Chemistry - A European Journal, 2021, 27, 13558-13567. | 1.7 | 6 |
| 8 | Exchange-Bias Quantum Tunneling of the Magnetization in a Dysprosium Dimer. Journal of Physical Chemistry A, 2021, 125, 8230-8237. | 1.1 | 7 |
| 9 | Indirect Spin-Readout of Rare-Earth-Based Single-Molecule Magnet with Scanning Tunneling Microscopy. Physical Review Letters, 2021, 127, 123201. | 2.9 | 6 |
| 10 | Room-temperature spin nutations in a magnetically condensed phase of [Y(pc)2]Ë™. Chemical Communications, 2021, 57, 11505-11508. | 2.2 | 1 |
| 11 | Stereochemistry of coordination polyhedra vs. single ion magnetism in penta- and hexacoordinated Co(<scp>ii</scp>) complexes with tridentate rigid ligands. Dalton Transactions, 2020, 49, 1249-1264. | 1.6 | 22 |
| 12 | Selective Coordination of Self-Assembled Hexanuclear [Ni<sub>4</sub>Ln<sub>2</sub>] and [Ni<sub>2</sub>Mn<sub>2</sub>Ln<sub>2</sub>] (Ln = Dy<sup>III</sup>, Tb<sup>III</sup>, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Chemistry, 2020, 59, 17929-17944. | 1.9 | 21 |
| 13 | Inorganic Approach to Stabilizing Nanoscale Toroidicity in a Tetraicosanuclear Fe<sub>18</sub>Dy<sub>6</sub> Single Molecule Magnet. Journal of the American Chemical Society, 2020, 142, 14838-14842. | 6.6 | 32 |
| 14 | Self-assembled octanuclear [Ni<sub>5</sub>Ln<sub>3</sub>] (Ln = Dy, Tb and Ho) complexes: synthesis, coordination induced ligand hydrolysis, structure and magnetism. Dalton Transactions, 2020, 49, 7968-7976. | 1.6 | 12 |
| 15 | Synthesis of five isostructural tetranuclear Fe2Ln2 (Lnâ€¯=â€¯Gd, Tb, Dy, Ho, Er) complexes with an â€œinverse butterflyâ€•core. Polyhedron, 2019, 158, 255-261. | 1.0 | 7 |
| 16 | Synthesis, structures and magnetic properties of [(Î·9-C9H9)Ln(Î·8-C8H8)] super sandwich complexes. Nature Communications, 2019, 10, 3135. | 5.8 | 74 |
| 17 | Direct Conversion of CO<sub>2</sub> to Multiâ€Layer Graphene using Cuâ€“Pd Alloys. ChemSusChem, 2019, 12, 3509-3514. | 3.6 | 28 |
| 18 | Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. Chemical Science, 2019, 10, 5138-5145. | 3.7 | 52 |

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|---|---|---|---|
| 19 | Bi-stable spin-crossover characteristics of a highly distorted [Fe(1-BPP-COOC<sub>2</sub>H<sub>5</sub>)<sub>2</sub>](ClO<sub>4</sub>)<sub>2</sub>Â·CH<sub>3</sub>CN complex. Dalton Transactions, 2019, 48, 3825-3830. | 1.6 | 27 |
| 20 | Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. Journal of the American Chemical Society, 2018, 140, 2504-2513. | 6.6 | 73 |
| 21 | Coordination ability of amino acid hydrazide ligands and their influence on magnetic properties in copper(ii) coordination polymers. CrystEngComm, 2018, 20, 2396-2403. | 1.3 | 5 |
| 22 | Molecular spin qudits for quantum algorithms. Chemical Society Reviews, 2018, 47, 501-513. | 18.7 | 254 |
| 23 | Supramolecular Interaction Tuning of Spin-Crossover in Pyrene/Fullerene (C60 ) Tethered FeII -2,6-Di(pyrazol-1-yl)pyridine Complexes: Towards Switchable Molecular Devices. European Journal of Inorganic Chemistry, 2018, 2018, 5091-5097. | 1.0 | 11 |
| 24 | Enantiopure Benzamidinate/Cyclooctatetraene Complexes of the Rare-Earth Elements: Synthesis, Structure, and Magnetism. Organometallics, 2018, 37, 3708-3717. | 1.1 | 14 |
| 25 | Amorphous nickel nanophases inducing ferromagnetism in equiatomic Ni Ti alloy. Acta Materialia, 2018, 161, 47-53. | 3.8 | 11 |
| 26 | Molecular Nanomagnets Based on f-Elements. , 2018, , 1-50. | | 2 |
| 27 | Observation of Cooperative Electronic Quantum Tunneling: Increasing Accessible Nuclear States in a Molecular Qudit. Inorganic Chemistry, 2018, 57, 9873-9879. | 1.9 | 27 |
| 28 | The Effect of Modifying the Macrocyclic Ring Size on Zn<sub>3</sub>Ln (Ln = Dy, Er, and) Tj ETQq0 0 0 rgBT /Overlock 10 775-779. | 0.6 | 2 |
| 29 | Magnetic properties of transition metal dimers probed by inelastic neutron scattering. Dalton Transactions, 2018, 47, 11953-11959. | 1.6 | 6 |
| 30 | Synthesis and Characterization of a Heterometallic Extended Architecture Based on a Manganese(II)-Substituted Sandwich-Type Polyoxotungstate. Materials, 2018, 11, 155. | 1.3 | 7 |
| 31 | Radical-lanthanide ferromagnetic interaction in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:msup><mml:mrow><mml:mi mathvariant="normal">b</mml:mi></mml:mrow><mml:mi>III</mml:mi></mml:msup></mml:mrow></mml:math> bis-phthalocyaninato complex. Physical Review Materials, 2018, 2, . | 0.9 | 29 |
| 32 | Measuring Spinâ‹…â‹…â‹…Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. Angewandte Chemie, 2017, 129, 3934-3937. | 1.6 | 7 |
| 33 | Measuring Spinâ‹…â‹…â‹…Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. Angewandte Chemie - International Edition, 2017, 56, 3876-3879. | 7.2 | 26 |
| 34 | Nuclear Spin Isomers: Engineering a Et<sub>4</sub>N[DyPc<sub>2</sub>] Spin Qudit. Angewandte Chemie - International Edition, 2017, 56, 9915-9919. | 7.2 | 62 |
| 35 | Nuclear Spin Isomers: Engineering a Et 4 N[DyPc 2 ] Spin Qudit. Angewandte Chemie, 2017, 129, 10047-10051. | 1.6 | 15 |
| 36 | Spacer type mediated tunable spin crossover (SCO) characteristics of pyrene decorated 2,6-bis(pyrazol-1-yl)pyridine (bpp) based Fe(<scp>ii</scp>) molecular spintronic modules. Dalton Transactions, 2017, 46, 9765-9768. | 1.6 | 12 |

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| 37 | Exchange-bias quantum tunnelling in a CO<sub>2</sub>-based Dy<sub>4</sub>-single molecule magnet. Chemical Science, 2017, 8, 1178-1185. | 3.7 | 48 |
| 38 | Single-molecule magnet behavior in 2,2â€™-bipyrimidine-bridged dilanthanide complexes. Beilstein Journal of Nanotechnology, 2016, 7, 126-137. | 1.5 | 21 |
| 39 | A modular design of molecular qubits to implement universal quantum gates. Nature Communications, 2016, 7, 11377. | 5.8 | 196 |
| 40 | Physicochemical Properties of Near-Linear Lanthanide(II) Bis(silylamide) Complexes (Ln = Sm, Eu, Tm, Yb). Inorganic Chemistry, 2016, 55, 10057-10067. | 1.9 | 66 |
| 41 | Observation of the influence of dipolar and spin frustration effects on the magnetocaloric properties of a trigonal prismatic {Gd<sub>7</sub>} molecular nanomagnet. Chemical Science, 2016, 7, 4891-4895. | 3.7 | 42 |
| 42 | Homoleptic Chiral Benzamidinate Complexes of Rareâ€Earth Elements: Synthesis, Structure, Luminescence, and Magnetism. European Journal of Inorganic Chemistry, 2016, 2016, 5512-5518. | 1.0 | 11 |
| 43 | Surface confinement of TbPc<sub>2</sub>-SMMs: structural, electronic and magnetic properties. Dalton Transactions, 2016, 45, 18417-18433. | 1.6 | 52 |
| 44 | Copper Keplerates: Highâ€Symmetry Magnetic Molecules. ChemPhysChem, 2016, 17, 55-60. | 1.0 | 19 |
| 45 | Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. Nature Communications, 2016, 7, 10240. | 5.8 | 91 |
| 46 | gâ€Engineering in Hybrid Rotaxanes To Create AB and AB<sub>2</sub> Electron Spin Systems: EPR Spectroscopic Studies of Weak Interactions between Dissimilar Electron Spin Qubits. Angewandte Chemie - International Edition, 2015, 54, 10858-10861. | 7.2 | 36 |
| 47 | Systematic Study of a Family of Butterfly-Like {M<sub>2</sub>Ln<sub>2</sub>} Molecular Magnets (M) Tj ETQq1 1 0.784314 rgBT /O | 1.9 | 107 |
| 48 | Controlled Synthesis of Nanoscopic Metal Cages. Journal of the American Chemical Society, 2015, 137, 7644-7647. | 6.6 | 41 |
| 49 | Copper Lanthanide Phosphonate Cages: Highly Symmetric {Cu<sub>3</sub>Ln<sub>9</sub>P<sub>6</sub>} and {Cu<sub>6</sub>Ln<sub>6</sub>P<sub>6</sub>} Clusters with C<sub>3v</sub> and D<sub>3h</sub> Symmetry. Inorganic Chemistry, 2015, 54, 6331-6337. | 1.9 | 20 |
| 50 | A hybrid organicâ€“inorganic molecular daisy chain. Chemical Communications, 2015, 51, 11126-11129. | 2.2 | 18 |
| 51 | Single molecule magnet behaviour in a {Dy<sub>4</sub>P<sub>2</sub>} octahedron. Dalton Transactions, 2015, 44, 12522-12525. | 1.6 | 16 |
| 52 | [Cr<sup>III</sup><sub>8</sub>M<sup>II</sup><sub>6</sub>]<sup>12+</sup> Coordination Cubes (M<sup>II</sup>=Cu,â€‰Co). Angewandte Chemie - International Edition, 2015, 54, 6761-6764. | 7.2 | 42 |
| 53 | Tetrametallic lanthanide(<scp>iii</scp>) phosphonate cages: synthetic, structural and magnetic studies. Dalton Transactions, 2014, 43, 17101-17107. | 1.6 | 35 |
| 54 | Investigation of nanocrystalline zinc chromite obtained by two soft chemical routes. Materials Research Bulletin, 2014, 49, 151-159. | 2.7 | 17 |

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|---|---|---|---|
| 55 | Addition of pnictogen atoms to chromium(<scp>ii</scp>): synthesis, structure and magnetic properties of a chromium(<scp>iv</scp>) phosphide and a chromium(<scp>iii</scp>) arsenide. Chemical Science, 2014, 5, 2443-2448. | 3.7 | 10 |
| 56 | Centred nine-metal rings of lanthanides. Chemical Communications, 2014, 50, 1438-1440. | 2.2 | 39 |
| 57 | Fast magnetic relaxation in an octahedral dysprosium tetramethyl-aluminate complex. Dalton Transactions, 2014, 43, 3035-3038. | 1.6 | 47 |
| 58 | Linking Cr<sub>3</sub> triangles through phosphonates and lanthanides: synthetic, structural, magnetic and EPR studies. Dalton Transactions, 2014, 43, 13242-13249. | 1.6 | 16 |
| 59 | Direct measurement of dysprosium(III)Ë™Ë™Ë™dysprosium(III) interactions in a single-molecule magnet. Nature Communications, 2014, 5, 5243. | 5.8 | 223 |
| 60 | Iron Lanthanide Phosphonate Clusters: {Fe<sub>6</sub>Ln<sub>6</sub>P<sub>6</sub>} Wellsâ€"Dawson-like Structures with D<sub>3</sub>d</sub> Symmetry. Inorganic Chemistry, 2014, 53, 3032-3038. | 1.9 | 52 |
| 61 | Octametallic 4f-phosphonate horseshoes. Dalton Transactions, 2013, 42, 14045. | 1.6 | 39 |
| 62 | Transmetalation of Chromocene by Lithium-Amide, -Phosphide, and -Arsenide Nucleophiles. Inorganic Chemistry, 2013, 52, 3878-3883. | 1.9 | 12 |
| 63 | Molecular amino-phosphonate cobaltâ€"lanthanide clusters. Chemical Communications, 2013, 49, 3522. | 2.2 | 86 |
| 64 | Wellsâ€"Dawson Cages as Molecular Refrigerants. Inorganic Chemistry, 2013, 52, 13702-13707. | 1.9 | 33 |
| 65 | Mn<sup>II</sup>â€"Gd<sup>III</sup> Phosphonate Cages with a Large Magnetocaloric Effect. Chemistry - A European Journal, 2012, 18, 4161-4165. | 1.7 | 135 |