

Yan Suffren

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lanthanide-Based Coordination Polymers with a 4,5-Dichlorophthalate Ligand Exhibiting Highly Tunable Luminescence: Toward Luminescent Bar Codes. <i>Inorganic Chemistry</i> , 2018, 57, 3399-3410.	4.0	61
2	Near-Infrared to Visible Light-Upconversion in Molecules: From Dream to Reality. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26957-26963.	3.1	55
3	Terbium(III) and Yttrium(III) Complexes with Pyridine-Substituted Nitronyl Nitroxide Radical and Different I ² -Diketonate Ligands. <i>Crystal Structures and Magnetic and Luminescence Properties. Inorganic Chemistry</i> , 2014, 53, 9548-9560.	4.0	55
4	A Journey in Lanthanide Coordination Chemistry: From Evaporable Dimers to Magnetic Materials and Luminescent Devices. <i>Accounts of Chemical Research</i> , 2021, 54, 427-440.	15.6	54
5	Taming Lanthanide-Centered Upconversion at the Molecular Level. <i>Inorganic Chemistry</i> , 2016, 55, 9964-9972.	4.0	53
6	Smaller than a nanoparticle with the design of discrete polynuclear molecular complexes displaying near-infrared to visible upconversion. <i>Dalton Transactions</i> , 2015, 44, 2529-2540.	3.3	49
7	RAMAN SPECTROSCOPY OF TRANSITION METAL COMPLEXES: MOLECULAR VIBRATIONAL FREQUENCIES, PHASE TRANSITIONS, ISOMERS, AND ELECTRONIC STRUCTURE. <i>Comments on Inorganic Chemistry</i> , 2011, 32, 246-276.	5.2	47
8	Room Temperature Magnetic Switchability Assisted by Hysteretic Valence Tautomerism in a Layered Two-Dimensional Manganese-Radical Coordination Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 16493-16501.	13.7	43
9	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , 2019, 58, 2659-2668.	4.0	43
10	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , 2017, 340, 134-153.	18.8	41
11	Lanthanide-Based Coordination Polymers With 1,4-Carboxyphenylboronic Ligand: Multiemissive Compounds for Multisensitive Luminescent Thermometric Probes. <i>Inorganic Chemistry</i> , 2019, 58, 462-475.	4.0	40
12	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 780-784.	13.8	36
13	Optical properties of Nd ³⁺ and Yb ³⁺ -doped AgM(IO ₃) ₄ metal iodates: transparent host matrices for mid-IR lasers and nonlinear materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2715-2723.	5.5	35
14	Discrete polynuclear manganese(<i>ii</i>) complexes with thiacalixarene ligands: synthesis, structures and photophysical properties. <i>Dalton Transactions</i> , 2015, 44, 7991-8000.	3.3	35
15	Titanyl Iodate " A Promising Material for Infrared Nonlinear Optics Showing Structural Similarities with KTP. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4264-4267.	2.0	31
16	High Brightness and Easy Color Modulation in Lanthanide-Based Coordination Polymers with 5-Methoxyisophthalate as Ligand: Toward Emission Colors Additive Strategy. <i>Crystal Growth and Design</i> , 2017, 17, 1224-1234.	3.0	28
17	Thermodynamic Programming of Erbium(III) Coordination Complexes for Dual Visible/Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2018, 24, 13158-13169.	3.3	25
18	Tunable Trimers: Using Temperature and Pressure to Control Luminescent Emission in Gold(I) Pyrazolate-Based Trimers. <i>Chemistry - A European Journal</i> , 2014, 20, 16933-16942.	3.3	24

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19	Structures, Thermal Behaviors, and Luminescent Properties of Anhydrous Lanthanum Iodate Polymorphs. <i>Inorganic Chemistry</i> , 2015, 54, 3608-3618.	4.0	24
20	Structural diversity and photo-physical and magnetic properties of dimeric to 1D polymeric coordination polymers of lighter lanthanide (<sc>iii</sc>) dinitrobenzoates. <i>Dalton Transactions</i> , 2018, 47, 4722-4732.	3.3	22
21	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018, 57, 11044-11057.	4.0	22
22	Highly Luminescent Europium-Based Heteroleptic Coordination Polymers with Phenanthroline and Glutarate Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 3707-3718.	4.0	22
23	Rational Design of Dual IR and Visible Highly Luminescent Light-Lanthanides-Based Coordination Polymers. <i>Inorganic Chemistry</i> , 2020, 59, 10673-10687.	4.0	21
24	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , 2019, 58, 1317-1329.	4.0	18
25	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 14632-14642.	4.0	15
26	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , 2019, 58, 16180-16193.	4.0	12
27	First Evidence of a Phase Transition in a High-Pressure Metal Iodate: Structural and Thermal Studies of AgIO ₃ Polymorphs. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3526-3532.	2.0	11
28	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , 2020, 59, 11028-11040.	4.0	11
29	Sonocrystallization as an Efficient Way to Control the Size, Morphology, and Purity of Coordination Compound Microcrystallites: Application to a Single-Chain Magnet. <i>Inorganic Chemistry</i> , 2020, 59, 9215-9226.	4.0	11
30	Ligand-centered vibrational modes as a probe of molecular and electronic structure: Raman spectroscopy of cis-Fe(1,10-phenanthroline) ₂ (NCS) ₂ and trans-Fe(pyridine) ₄ (NCS) ₂ at variable temperature and pressure. <i>Polyhedron</i> , 2013, 52, 1081-1089.	2.2	10
31	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , 2019, 48, 16053-16061.	3.3	10
32	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , 2020, 501, 119309.	2.4	10
33	Closing the Circle of the Lanthanide-Murexide Series: Single-Molecule Magnet Behavior and Near-Infrared Emission of the Nd(III) Derivative. <i>Magnetochemistry</i> , 2018, 4, 44.	2.4	9
34	Colloidal suspensions of highly luminescent lanthanide-based coordination polymer molecular alloys for ink-jet printing and tagging of technical liquids. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2125-2135.	6.0	9
35	Differences and Similarities between Lanthanum and Rare-Earth Iodate Anhydrous Polymorphs: Structures, Thermal Behaviors, and Luminescent Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11264-11272.	4.0	8
36	Photogeneration of Manganese(III) from Luminescent Manganese(II) Complexes with Thiocalixarene Ligands: Synthesis, Structures and Photophysical Properties. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 73-78.	2.0	8

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37	Synthesis and photoluminescence properties of Mn ²⁺ doped Ca _{1-x} Sr _x CN ₂ phosphors prepared by a carbon nitride based route. <i>Journal of Solid State Chemistry</i> , 2021, 300, 122240.	2.9	8
38	Photo-physical properties of donor-acceptor-radical triad based on functionalized tetrathiafulvalene and nitronyl nitroxide radical. <i>Dyes and Pigments</i> , 2017, 145, 285-293.	3.7	7
39	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie</i> , 2020, 132, 790-794.	2.0	7
40	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , 2021, 12, 10613-10621.	7.4	7
41	A new series of lanthanide-based complexes with a bis(hydroxy)benzoxaborolone ligand: synthesis, crystal structure, and magnetic and optical properties. <i>CrystEngComm</i> , 2020, 22, 2020-2030.	2.6	6
42	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , 2021, 23, 100-118.	2.6	6
43	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , 2021, 527, 120594.	2.4	5
44	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , 2021, 60, 16782-16793.	4.0	5
45	[Pt(SCN) ₄] ²⁻ -Based Coordination Polymers and Supramolecular Squares: Intermolecular Pt⋯N⋯C Interactions Probed by Luminescence Spectroscopy at Variable Pressure. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2865-2875.	2.0	4
46	A new family of lanthanide-based coordination polymers with azoxybenzene-3,3',5,5'-tetracarboxylic acid as ligand. <i>Inorganica Chimica Acta</i> , 2019, 488, 208-213.	2.4	4
47	Effect of cationic substitutions on the photoluminescence properties of Eu ²⁺ doped SrCN ₂ prepared by a facile C ₃ N ₄ based synthetic approach. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6316-6321.	5.7	4
48	Evidence of reaction intermediates in microwave-assisted synthesis of SHG active $\text{La}(\text{IO})_3$ nanocrystals. <i>CrystEngComm</i> , 2020, 22, 2517-2525.	2.6	4
49	Intercalation of a manganese(II)-thiacalixarene luminescent complex in layered double hydroxides: synthesis and photophysical characterization. <i>New Journal of Chemistry</i> , 2021, 45, 343-350.	2.8	4
50	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , 2017, 461, 136-144.	2.4	3
51	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2440-2448.	2.8	3
52	A new praseodymium-based coordination polymers with 1,10-phenanthroline and glutarate ligands: Synthesis, crystal structure and luminescent properties. <i>Journal of Molecular Structure</i> , 2021, 1225, 129164.	3.6	3
53	Synthesis, Crystal Structure, and Luminescence Properties of the Iso-Reticular Series of Lanthanide Coordination Polymers Synthesized from Hexa-Lanthanide Molecular Precursors. <i>Inorganic Chemistry</i> , 2022, 61, 4895-4908.	4.0	3
54	Synthesis and photoluminescence properties of Mn ²⁺ doped ZnCN ₂ phosphors. <i>Open Ceramics</i> , 2021, 7, 100157.	2.0	2

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55	Microwave-assisted synthesis of lanthanide coordination polymers with 2-bromobenzoic acid as ligand from hexa-lanthanide molecular precursors. <i>Journal of Molecular Structure</i> , 2022, 1250, 131918.	3.6	2
56	[Pt(SCN) ₄] ²⁻ -Based Coordination Polymers and Supramolecular Squares: Intermolecular Pt···H-C Interactions Probed by Luminescence Spectroscopy at Variable Pressure. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2864-2864.	2.0	1
57	Mono-, Di-, and Tetranuclear Manganese(II) Complexes with <i>p</i> -Phenylsulfonylcalix[4]arene Macrocycles as Ligand Antennas: Synthesis, Structures, and Emission Properties. <i>Crystal Growth and Design</i> , 2022, 22, 2279-2288.	3.0	1