

Diogo A Gãjlico

List of Publications by Year in descending order

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49
papers

1,035
citations

361413

20
h-index

454955

30
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50
all docs

50
docs citations

50
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	A Luminescent Thermometer Exhibiting Slow Relaxation of the Magnetization: Toward Self-Monitored Building Blocks for Next-Generation Optomagnetic Devices. <i>ACS Central Science</i> , 2019, 5, 1187-1198.	11.3	113
2	Exploring the dual functionality of an ytterbium complex for luminescence thermometry and slow magnetic relaxation. <i>Chemical Science</i> , 2019, 10, 6799-6808.	7.4	83
3	Lanthanide-Based Molecular Cluster Aggregates: Optical Barcoding and White Light Emission with Nanosized $\{Ln_{20}\}$ Compounds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6130-6136.	13.8	48
4	Radical-Bridged Ln_4 Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24206-24213.	13.8	45
5	Nanothermometer based on intensity variation and emission lifetime of europium(III) benzoylacetate complex. <i>Journal of Luminescence</i> , 2017, 192, 224-230.	3.1	41
6	Intriguing light-emission features of ketoprofen-based Eu(III) adduct due to a strong electron-phonon coupling. <i>Journal of Luminescence</i> , 2016, 170, 357-363.	3.1	34
7	Triplet State Position and Crystal Field Tuning in Optomagnetic Lanthanide Complexes: Two Sides of the Same Coin. <i>Chemistry - A European Journal</i> , 2019, 25, 14625-14637.	3.3	32
8	Thermal behavior of some antihistamines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 2019-2028.	3.6	31
9	A highly sensitive luminescent ratiometric thermometer based on europium(III) and terbium(III) benzoylacetate complexes chemically bonded to ethyldiphenylphosphine oxide functionalized polydimethylsiloxane. <i>New Journal of Chemistry</i> , 2018, 42, 18541-18549.	2.8	31
10	One pot synthesis and systematic study of the photophysical and magnetic properties and thermal sensing of f_1 and f_2 -phase $NaLnF_4$ and f_2 -phase core@shell nanoparticles. <i>New Journal of Chemistry</i> , 2018, 42, 13393-13405.	2.8	29
11	Stark Sublevel-Based Thermometry with Tb(III) and Dy(III) Complexes Cosensitized via the 2-Amidinopyridine Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 11061-11070.	4.0	29
12	Toward Opto-Structural Correlation to Investigate Luminescence Thermometry in an Organometallic Eu(II) Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 912-921.	13.7	29
13	Room-Temperature Upconversion in a Nanosized $\{Ln_{15}\}$ Molecular Cluster-Aggregate. <i>ACS Nano</i> , 2021, 15, 5580-5585.	14.6	28
14	Thermal and spectroscopic studies of the antioxidant food additive propyl gallate. <i>Food Chemistry</i> , 2015, 182, 89-94.	8.2	27
15	Spectroscopic, luminescence and in vitro biological studies of solid ketoprofen of heavier trivalent lanthanides and yttrium(III). <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 160-166.	3.5	25
16	Thermal and spectroscopic studies on solid Ketoprofen of lighter trivalent lanthanides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 371-379.	3.6	24
17	Thermal and spectroscopic studies on solid ibuprofen complexes of lighter trivalent lanthanides. <i>Thermochimica Acta</i> , 2014, 575, 226-232.	2.7	24
18	Thermal stability and thermal decomposition of the antihypertensive drug amlodipine besylate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 889-892.	3.6	23

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19	Crystal structure and temperature dependence of the photophysical properties of the [Eu(tta) ₃ (pyphen)] complex. <i>Inorganic Chemistry Communication</i> , 2018, 98, 29-33.	3.9	23
20	Temperature probing and emission color tuning by morphology and size control of upconverting $\text{NaYb}_{0.67}\text{Gd}_{0.30}\text{F}_4\text{:Tm}_{0.015}\text{Ho}_{0.015}$ nanoparticles. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 024012.	2.1	22
21	Controlling the Energy Transfer Processes in a Nanosized Molecular Upconverter to Tap into Luminescence Thermometry Application. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
22	Inside-Out/Outside-In Tunability in Nanosized Lanthanide-Based Molecular Cluster-Aggregates: Modulating the Luminescence Thermometry Performance via Composition Control. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47052-47060.	8.0	21
23	Solid-state thermal and spectroscopic studies of the anti-inflammatory drug sulindac using UV-Vis, MIR, NIR, DSC, simultaneous TG-DSC, and the coupled techniques TG-EGA-MIR and DSC-optical microscopy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2523-2530.	3.6	18
24	High relative thermal sensitivity of luminescent molecular thermometer based on dinuclear [Eu ₂ (mba) ₄ (H ₂ O) ₂] complex: The role of inefficient intersystem crossing and LMCT. <i>Journal of Luminescence</i> , 2019, 210, 397-403.	3.1	17
25	Synthesis, thermoanalytical, spectroscopic study and pyrolysis of solid rare earth complexes (Eu, Gd). <i>Tj ETQq1</i> 1 0.784314 rgBT /Overlo	5.5	16
26	NIR-to-NIR emission on a water-soluble {Er ₆ } and {Er ₃ Yb ₃ } nanosized molecular wheel. <i>Nanoscale</i> , 2020, 12, 11435-11439.	5.6	16
27	Thermoanalytical study of nimesulide and their recrystallization products obtained from solutions of several alcohols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2385-2390.	3.6	15
28	Thermal and spectroscopic study to investigate p-aminobenzoic acid, sodium p-aminobenzoate and its compounds with some lighter trivalent lanthanides. <i>Thermochimica Acta</i> , 2016, 624, 59-68.	2.7	15
29	Probing optical and magnetic properties via subtle stereoelectronic effects in mononuclear Dy ^{III} -complexes. <i>Chemical Communications</i> , 2021, 57, 7818-7821.	4.1	15
30	Study of some volatile compounds evolved from the thermal decomposition of atenolol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2517-2520.	3.6	14
31	A zero-field single-molecule magnet with luminescence thermometry capabilities containing soft donors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13946-13953.	5.5	14
32	Thermal, spectroscopic and in vitro biological studies of the lanthanum complex of naproxen. <i>Thermochimica Acta</i> , 2016, 644, 43-49.	2.7	13
33	Synthesis, characterization and thermal behavior of solid state of some mefenamate of trivalent lanthanides (La, Ce, Pr and Nd). <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 91-103.	3.6	13
34	Phonon-assisted molecular upconversion in a holmium(^{III})-based molecular cluster-aggregate. <i>Nanoscale</i> , 2022, 14, 9675-9680.	5.6	12
35	Self-supported films of poly(methyl methacrylate) (PMMA) containing Tm ^{III} -doped upconverting core@shell nanoparticles as high sensitivity temperature optical probe. <i>Sensors and Actuators A: Physical</i> , 2019, 291, 1-6.	4.1	11
36	Aufbau vs. non-Aufbau ground states in two-coordinate d ⁷ single-molecule magnets. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 5076-5085.	6.0	11

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37	Thermal behavior, spectroscopic studies and free radical scavenging potential of some mefenamate trivalent lanthanides (Sm, Eu, Gd, Tb and Dy). <i>Thermochimica Acta</i> , 2017, 651, 73-82.	2.7	10
38	Lanthanide-Based Molecular Cluster Aggregates: Optical Barcoding and White Light Emission with Nanosized $\{Ln_{20}\}$ Compounds. <i>Angewandte Chemie</i> , 2021, 133, 6195-6201.	2.0	9
39	Synthesis, thermal behavior, and spectroscopic study of the solid nalidixate of selected light trivalent lanthanides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1717-1727.	3.6	7
40	Incorporation of a nitrogen-rich energetic ligand in a $\{YbIII_2\}$ complex exhibiting slow relaxation of the magnetisation under an applied field. <i>Dalton Transactions</i> , 2020, 49, 10344-10348.	3.3	6
41	Solid state thermal and spectroscopic studies on the antibiotic amoxicillin trihydrate. <i>Brazilian Journal of Thermal Analysis</i> , 2014, 2, 45.	0.0	5
42	Polymorphism in propyl gallate recrystallized with acetone. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 611-614.	3.6	4
43	Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field. <i>Angewandte Chemie</i> , 0, , .	2.0	3
44	Rare-earth complexes with anti-inflammatory drug sulindac: Synthesis, characterization, spectroscopic and in vitro biological studies. <i>Inorganica Chimica Acta</i> , 2021, 526, 120516.	2.4	2
45	NEW COMPLEXES OF LIGHTER TRIVALENT LANTHANIDES WITH INDOMETHACIN ANTI-INFLAMMATORY DRUG: SYNTHESIS, THERMAL PROPERTIES AND SPECTROSCOPIC STUDY IN THE SOLID STATE.. <i>Brazilian Journal of Thermal Analysis</i> , 2015, 4, 13.	0.0	2
46	Controlling the Energy Transfer Processes in a Nanosized Molecular Upconverter to Tap into Luminescence Thermometry Application. <i>Angewandte Chemie</i> , 0, , .	2.0	2
47	SYNTHESIS, THERMAL AND SPECTROSCOPIC STUDIES OF LITHIUM SALT OF NAPROXEN.. <i>Brazilian Journal of Thermal Analysis</i> , 2015, 4, 39.	0.0	1
48	Titelbild: Radical-Bridged Ln ₄ Metallocene Complexes with Strong Magnetic Coupling and a Large Coercive Field (<i>Angew. Chem.</i> 45/2021). <i>Angewandte Chemie</i> , 2021, 133, 24117-24117.	2.0	0
49	Thermal, spectroscopic and DFT studies of solid benzamide. <i>Brazilian Journal of Thermal Analysis</i> , 2014, 3, 5.	0.0	0