

Duarte Ananias

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

4,690
citations

31
h-index

68
g-index

93
ext. papers

5,021
ext. citations

8.2
avg, IF

5.44
L-index

#	Paper	IF	Citations
76	Multifunctionality in an Ion-Exchanged Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1365-1376	16.4	13
75	Cryogenic Luminescent Ratiometric Thermometers Based on Tetragonal Na[LnSiO ₄] _x NaOH (Ln = Gd, Tb, Eu; x 0.2). <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1852-1859	2.3	1
74	Multifunctionality and cytotoxicity of a layered coordination polymer. <i>Dalton Transactions</i> , 2020 , 49, 3989-3998	4.3	5
73	Pyrene Tetrakisphosphate-Based Metal-Organic Framework: Structure and Photoluminescence. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3565-3572	2.3	
72	Hexakis-adducts of [60]fullerene as molecular scaffolds of polynuclear spin-crossover molecules. <i>Chemical Science</i> , 2020 , 12, 757-766	9.4	3
71	Luminescent Nanothermometers Obtained by Post-Synthetic Modification of Metal-Organic Framework MIL-68. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1354-1359	2.3	4
70	Electronic, Structural and Functional Versatility in Tetrathiafulvalene-Lanthanide Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019 , 25, 12636-12643	4.8	24
69	Rare-Earth Germanate Visible, Near-Infrared, and Up-Conversion Emitters. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2444-2451	2.3	1
68	Magnetic and luminescent coordination networks based on imidazolium salts and lanthanides for sensitive ratiometric thermometry. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2775-2787	3	14
67	Near-Infrared Ratiometric Luminescent Thermometer Based on a New Lanthanide Silicate. <i>Chemistry - A European Journal</i> , 2018 , 24, 11926-11935	4.8	24
66	Microwave Synthesis of a photoluminescent Metal-Organic Framework based on a rigid tetraphosphonate linker. <i>Inorganica Chimica Acta</i> , 2017 , 455, 584-594	2.7	12
65	Building Light-Emitting Metal-Organic Frameworks by Post-Synthetic Modification. <i>ChemistrySelect</i> , 2017 , 2, 136-139	1.8	27
64	Ratiometric mixed Eu/Tb metal-organic framework as a new cryogenic luminescent thermometer. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10933-10937	7.1	41
63	Excimer Formation in a Terbium Metal-Organic Framework Assists Luminescence Thermometry. <i>Chemistry of Materials</i> , 2017 , 29, 9547-9554	9.6	50
62	Photoluminescent Lanthanide-Organic Framework Based on a Tetraphosphonic Acid Linker. <i>Crystal Growth and Design</i> , 2017 , 17, 5191-5199	3.5	17
61	Adsorption study of a macro-RAFT agent onto SiO ₂ -coated Gd ₂ O ₃ :Eu ³⁺ nanorods: Requirements and limitations. <i>Applied Surface Science</i> , 2017 , 394, 519-527	6.7	9
60	Influence of a porous MOF support on the catalytic performance of Eu-polyoxometalate based materials: desulfurization of a model diesel. <i>Catalysis Science and Technology</i> , 2016 , 6, 1515-1522	5.5	79

59	Visible-Light Excited Luminescent Thermometer Based on Single Lanthanide Organic Frameworks. <i>Advanced Functional Materials</i> , 2016 , 26, 8677-8684	15.6	143
58	Cs ⁺ removal and optical detection by microporous lanthanide silicate Eu-AV-20 in a fixed-bed column. <i>Chemical Engineering Journal</i> , 2016 , 286, 48-58	14.7	8
57	Tb/Eu-AV-9: A lanthanide silicate for the sensing and removal of cesium ions from aqueous solutions. <i>Chemical Engineering Journal</i> , 2016 , 286, 679-688	14.7	9
56	Luminescence properties of lanthanide-containing layered double hydroxides. <i>Microporous and Mesoporous Materials</i> , 2016 , 226, 209-220	5.3	20
55	Cryogenic Nanothermometer Based on the MIL-103(Tb,Eu) Metal-Organic Framework. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1967-1971	2.3	43
54	Excitation of magnetic dipole transitions at optical frequencies. <i>Physical Review Letters</i> , 2015 , 114, 163904	4	99
53	Lanthanide-Organic Framework Nanothermometers Prepared by Spray-Drying. <i>Advanced Functional Materials</i> , 2015 , 25, 2824-2830	15.6	210
52	Crystal structure and temperature-dependent luminescence of a heterotetranuclear sodium-europium(III) diketonate complex. <i>Dalton Transactions</i> , 2015 , 44, 488-92	4.3	32
51	Metal-Organic Frameworks: Lanthanide-Organic Framework Nanothermometers Prepared by Spray-Drying (Adv. Funct. Mater. 19/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 2939-2939	15.6	
50	Photoluminescent thermometer based on a phase-transition lanthanide silicate with unusual structural disorder. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3051-8	16.4	112
49	Cs ⁺ ion exchange over lanthanide silicate Eu-AV-20: Experimental measurement and modelling. <i>Chemical Engineering Journal</i> , 2015 , 268, 208-218	14.7	11
48	Structure, topology, gas adsorption and photoluminescence of multifunctional porous RE ³⁺ -furan-2,5-dicarboxylate metal organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2014 , 188, 172-181	5.3	22
47	Multifunctional micro- and nanosized metal-organic frameworks assembled from bisphosphonates and lanthanides. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3311	7.1	40
46	Coordination polymers based on a glycine-derivative ligand. <i>CrystEngComm</i> , 2014 , 16, 8119-8137	3.3	5
45	Photoluminescent layered lanthanide-organic framework based on a novel trifluorotriphosphonate organic linker. <i>CrystEngComm</i> , 2014 , 16, 344-358	3.3	18
44	Energy-transfer from Gd(III) to Tb(III) in (Gd,Yb,Tb)PO ₄ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 15565-71	3.6	39
43	Sandwich lanthano-silicotungstates: Structure, electrochemistry and photoluminescence properties. <i>Polyhedron</i> , 2013 , 52, 308-314	2.7	5
42	Synthesis and characterization of polymorphs of photoluminescent Eu(III)-(2,5-furandicarboxylic acid, oxalic acid) MOFs. <i>Journal of Solid State Chemistry</i> , 2013 , 204, 321-328	3.3	31

41	All-in-one optical heater-thermometer nanoplatform operative from 300 to 2000 k based on Er(3+) emission and blackbody radiation. <i>Advanced Materials</i> , 2013 , 25, 4868-74	24	219
40	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. <i>Chemical Communications</i> , 2013 , 49, 6400-2	5.8	46
39	Europium Polyoxometalates Encapsulated in Silica Nanoparticles [Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2877-2886	2.3	21
38	Chiral microporous rare-earth silico-germanates: Synthesis, structure and photoluminescence properties. <i>Microporous and Mesoporous Materials</i> , 2013 , 166, 50-58	5.3	13
37	Photoluminescent Metal-Organic Frameworks [Rapid Preparation, Catalytic Activity, and Framework Relationships. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5576-5591	2.3	11
36	Hybrid layer-by-layer films based on lanthanide-bridged silicotungstates and poly(ethylenimine). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 415, 302-309	5.1	19
35	(Gd,Yb,Tb)PO ₄ up-conversion nanocrystals for bimodal luminescence-MR imaging. <i>Nanoscale</i> , 2012 , 4, 5154-62	7.7	48
34	Multi-functional metal-organic frameworks assembled from a tripodal organic linker. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18354		48
33	Emission-Decay Curves, Energy-Transfer and Effective-Refractive Index in Gd ₂ O ₃ :Eu ³⁺ Nanorods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15297-15303	3.8	52
32	Luminescent multifunctional lanthanides-based metal-organic frameworks. <i>Chemical Society Reviews</i> , 2011 , 40, 926-40	58.5	1324
31	Thermal transformation of a layered multifunctional network into a metal-organic framework based on a polymeric organic linker. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15120-38	16.4	51
30	Mixed-Metal d-f Phosphonate Frameworks [Photoluminescence and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2035-2044	2.3	23
29	Effects of Phonon Confinement on Anomalous Thermalization, Energy Transfer, and Upconversion in Ln ³⁺ -Doped Gd ₂ O ₃ Nanotubes. <i>Advanced Functional Materials</i> , 2010 , 20, 624-634	15.6	56
28	Synchrotron powder structure of a new layered lanthanide-organic network. <i>Zeitschrift für Kristallographie</i> , 2009 , 224,		20
27	A Miniaturized Linear pH Sensor Based on a Highly Photoluminescent Self-Assembled Europium(III) Metal-Organic Framework. <i>Angewandte Chemie</i> , 2009 , 121, 6598-6601	3.6	35
26	A miniaturized linear pH sensor based on a highly photoluminescent self-assembled europium(III) metal-organic framework. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6476-9	16.4	293
25	Molecule-like Eu ³⁺ -dimers embedded in an extended system exhibit unique photoluminescence properties. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8620-6	16.4	52
24	Multi-functional rare-earth hybrid layered networks: photoluminescence and catalysis studies. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2618		85

23	Functionalization of atomic force microscope tips by dielectrophoretic assembly of Gd(2)O(3):Eu(3+) nanorods. <i>Nanotechnology</i> , 2008 , 19, 295702	3.4	11
22	Photoluminescent layered Y/Er silicates. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 624-626	5.7	8
21	NMR transversal relaxivity of aqueous suspensions of particles of Ln(3+)-based zeolite type materials. <i>Dalton Transactions</i> , 2008 , 2241-7	4.3	13
20	Energy Transfer and Emission Decay Kinetics in Mixed Microporous Lanthanide Silicates with Unusual Dimensionality. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 260-268	3.8	18
19	Photoluminescent Layered Lanthanide Silicate Nanoparticles. <i>Chemistry of Materials</i> , 2008 , 20, 205-212	9.6	24
18	Photoluminescent microporous lanthanide silicate AV-21 frameworks. <i>Chemistry - A European Journal</i> , 2008 , 14, 8157-68	4.8	16
17	Metal-organic nanoporous structures with anisotropic photoluminescence and magnetic properties and their use as sensors. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1080-3	16.4	367
16	Metal-Organic Nanoporous Structures with Anisotropic Photoluminescence and Magnetic Properties and Their Use as Sensors. <i>Angewandte Chemie</i> , 2008 , 120, 1096-1099	3.6	69
15	Photoluminescent Lanthanide-Organic 2D Networks: A Combined Synchrotron Powder X-ray Diffraction and Solid-State NMR Study. <i>Chemistry of Materials</i> , 2007 , 19, 3527-3538	9.6	65
14	Evolution of photoluminescence across dimensionality in lanthanide silicates. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3576-82	3.4	26
13	Optical detection of solid-state chiral structures with unpolarized light and in the absence of external fields. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7938-42	16.4	30
12	Optical Detection of Solid-State Chiral Structures with Unpolarized Light and in the Absence of External Fields. <i>Angewandte Chemie</i> , 2006 , 118, 8106-8110	3.6	4
11	Photoluminescent layered Y(III) and Tb(III) silicates doped with Ce(III). <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15312-6	3.4	20
10	Unusual full-colour phosphors: Na ₃ LnSi ₃ O ₉ . <i>Optical Materials</i> , 2006 , 28, 582-586	3.3	33
9	NMR relaxivity of Ln ³⁺ -based zeolite-type materials. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3832		21
8	Novel Microporous and Layered Luminescent Lanthanide Silicates. <i>Materials Science Forum</i> , 2004 , 455-456, 527-531	0.4	7
7	Photoluminescent layered lanthanide silicates. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10410-4	10.7	96
6	Photoluminescence and local structure of Eu(III)-doped zirconium silicates. <i>Journal of Alloys and Compounds</i> , 2004 , 374, 185-189	5.7	21

5	The first examples of X-ray phosphors, and C-band infrared emitters based on microporous lanthanide silicates. <i>Journal of Alloys and Compounds</i> , 2004 , 374, 219-222	5.7	29
4	Multifunctional Sodium Lanthanide Silicates: From Blue Emitters and Infrared S-Band Amplifiers to X-Ray Phosphors. <i>Advanced Materials</i> , 2003 , 15, 980-985	24	28
3	Novel microporous lanthanide silicates with tobermorite-like structure. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14573-9	16.4	67
2	Synthesis and Characterization of Er(III) and Y(III) Sodium Silicates: $\text{Na}_3\text{ErSi}_3\text{O}_9$, a New Infrared Emitter. <i>Chemistry of Materials</i> , 2002 , 14, 1767-1772	9.6	25
1	Novel microporous europium and terbium silicates. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5735-42	16.4	94