

Vlasoula Bekiari

List of Publications by Year in descending order

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81
papers

2,377
citations

218677

26
h-index

223800

46
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82
all docs

82
docs citations

82
times ranked

2750
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production by photocatalytic alcohol reforming employing highly efficient nanocrystalline titania films. <i>Applied Catalysis B: Environmental</i> , 2007, 77, 184-189.	20.2	189
2	Strongly Luminescent Poly(ethylene glycol)-2,2'-bipyridine Lanthanide Ion Complexes. <i>Advanced Materials</i> , 1998, 10, 1455-1458.	21.0	153
3	Intensely Luminescent Materials Obtained by Combining Lanthanide Ions, 2,2'-Bipyridine, and Poly(ethylene glycol) in Various Fluid or Solid Environments. <i>Chemistry of Materials</i> , 1999, 11, 3189-3195.	6.7	138
4	Gold Colloids from Cationic Surfactant Solutions. 1. Mechanisms That Control Particle Morphology. <i>Langmuir</i> , 2002, 18, 3659-3668.	3.5	95
5	Photoluminescence from Sol-Gel Organic/Inorganic Hybrid Gels Obtained through Carboxylic Acid Solvolysis. <i>Chemistry of Materials</i> , 2003, 15, 1855-1859.	6.7	91
6	Ureasil Gels as a Highly Efficient Adsorbent for Water Purification. <i>Chemistry of Materials</i> , 2006, 18, 4142-4146.	6.7	87
7	A New Family of Nonanuclear Lanthanide Clusters Displaying Magnetic and Optical Properties. <i>Inorganic Chemistry</i> , 2011, 50, 11276-11278.	4.0	85
8	Use of poly(N,N-dimethylacrylamide-co-sodium acrylate) hydrogel to extract cationic dyes and metals from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 312, 214-218.	4.7	81
9	Optimization of the Intensity of Luminescence Emission from Silica/Poly(ethylene oxide) and Silica/Poly(propylene oxide) Nanocomposite Gels. <i>Chemistry of Materials</i> , 2000, 12, 3095-3099.	6.7	73
10	Efficient luminescent materials made by incorporation of terbium(III) and 2,2'-bipyridine in silica/poly(ethylene oxide) hybrid gels. <i>Chemical Physics Letters</i> , 1999, 307, 310-316.	2.6	66
11	Adsorption of dyes on Sahara desert sand. <i>Journal of Hazardous Materials</i> , 2009, 170, 27-34.	12.4	63
12	Characterization of Photoluminescence from a Material Made by Interaction of (3-Aminopropyl)triethoxysilane with Acetic Acid. <i>Langmuir</i> , 1998, 14, 3459-3461.	3.5	57
13	Tunable Photoluminescence from a Material Made by the Interaction between (3-Aminopropyl)triethoxysilane and Organic Acids. <i>Chemistry of Materials</i> , 1998, 10, 3777-3779.	6.7	53
14	Total Organic Carbon and Total Nitrogen in Sediments and Soils: A Comparison of the Wet Oxidation and Titration Method with the Combustion-infrared Method. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 4, 425-430.	0.6	52
15	Lecithin Organogels Used as Bioactive Compounds Carriers. A Microdomain Properties Investigation. <i>Langmuir</i> , 2007, 23, 4438-4447.	3.5	49
16	Study of poly(methyl methacrylate) thin films doped with laser dyes. <i>Journal of Luminescence</i> , 1999, 81, 285-291.	3.1	47
17	Tetranuclear Lanthanide(III) Complexes with a Zigzag Topology from the Use of Pyridine-2,6-dimethanol: Synthetic, Structural, Spectroscopic, Magnetic and Photoluminescence Studies. <i>Inorganic Chemistry</i> , 2014, 53, 3220-3229.	4.0	46
18	Dinuclear versus tetranuclear cluster formation in zinc(II) nitrate/di-2-pyridyl ketone chemistry: synthetic, structural and spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 1627-1638.	3.9	44

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19	Fluorescent Naphthalene Diols as Bridging Ligands in Ln ^{III} Cluster Chemistry: Synthetic, Structural, Magnetic, and Photophysical Characterization of Ln ^{III} ₈ "Christmas Stars". <i>Inorganic Chemistry</i> , 2014, 53, 5420-5422.	4.0	40
20	Preparation of thin Ureasil films with strong photoluminescence based on incorporated europium-thenoyltrifluoroacetone-bipyridine complexes. <i>Thin Solid Films</i> , 2002, 416, 279-283.	1.8	36
21	Polymeric Antimicrobial Coatings Based on Quaternary Ammonium Compounds. <i>Coatings</i> , 2018, 8, 8.	2.6	36
22	A sensitive fluorescent sensor of lanthanide ions. <i>Journal of Luminescence</i> , 2003, 104, 13-15.	3.1	31
23	Photophysical Behavior of Terpyridine-Lanthanide Ion Complexes Incorporated in a Poly(N,N-dimethylacrylamide) Hydrogel. <i>Langmuir</i> , 2006, 22, 8602-8606.	3.5	30
24	Structure and photophysical behavior of 2,2'-bipyrimidine/lanthanide ion complexes in various environments. <i>Journal of Luminescence</i> , 2008, 128, 481-488.	3.1	29
25	Study of Poly(N,N-dimethylacrylamide)/CdS Nanocomposite Organic/Inorganic Gels. <i>Langmuir</i> , 2004, 20, 7972-7975.	3.5	28
26	Emissive molecular nanomagnets: introducing optical properties in triangular oximate {Mn ^{III} } ₃ SMMs from the deliberate replacement of simple carboxylate ligands with their fluorescent analogues. <i>Dalton Transactions</i> , 2014, 43, 1965-1969.	3.3	28
27	Improvement of the emission properties of sol-gel silica matrices containing Eu ³⁺ in the presence of poly(ethylene glycol)-200. <i>Journal of Non-Crystalline Solids</i> , 1998, 226, 200-203.	3.1	25
28	New High-Yield Luminescent Materials Obtained by Combining Terpyridine, Metal Cations (Including) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	2.0	25
29	Data quality in water analysis: validation of combustion-infrared and combustion-chemiluminescence methods for the simultaneous determination of Total Organic Carbon (TOC) and Total Nitrogen (TN). <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 65-76.	3.3	25
30	Multicolor emission from terpyridine-lanthanide ion complexes encapsulated in nanocomposite silica/poly(ethylene glycol) sol-gel matrices. <i>Journal of Luminescence</i> , 2003, 101, 135-140.	3.1	24
31	Dinuclear lanthanide(III) complexes from the use of di-2-pyridyl ketone: Preparation, structural characterization and spectroscopic studies. <i>Polyhedron</i> , 2006, 25, 2869-2879.	2.2	24
32	Photoluminescence and electroluminescence by gallium(III) complexes of N-salicylidene-o-aminophenol and its derivatives. <i>Journal of Luminescence</i> , 2009, 129, 578-583.	3.1	24
33	Investigation of the zinc(ii)-benzoate-2-pyridinealdoxime reaction system. <i>Dalton Transactions</i> , 2012, 41, 3797.	3.3	24
34	New structural topologies in 4f-metal cluster chemistry from vertex-sharing butterfly units: {Ln ^{III} } ₇ complexes exhibiting slow magnetization relaxation and ligand-centred emissions. <i>RSC Advances</i> , 2015, 5, 92534-92538.	3.6	24
35	Dinuclear Lanthanide(III) Complexes by Metal-Ion-Assisted Hydration of Di-2-pyridyl Ketone Azine. <i>Inorganic Chemistry</i> , 2013, 52, 4145-4147.	4.0	21
36	Initial use of 1-hydroxybenzotriazole in the chemistry of group 12 metals: An 1D zinc(II) coordination polymer and a mononuclear cadmium(II) complex containing the deprotonated ligand in a novel monodentate ligation mode. <i>Inorganic Chemistry Communication</i> , 2009, 12, 92-96.	3.9	20

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37	A tetrahedron in a cube: a dodecanuclear ZnII benzoate cluster from the use of 2-pyridinealdoxime. Dalton Transactions, 2010, 39, 4492-4494.	3.3	19
38	Dinuclear lanthanide(III)/zinc(II) complexes with methyl 2-pyridyl ketone oxime. Dalton Transactions, 2015, 44, 19791-19795.	3.3	19
39	High-Yield Luminescence from Cadmium Sulfide Nanoclusters Supported in a Poly(ethylene glycol) Oligomer. Langmuir, 2000, 16, 3561-3563.	3.5	18
40	Effect of aggregation of dyes adsorbed on nanocrystalline titania films on the efficiency of photodegradation. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 191, 13-18.	3.9	18
41	Time-Resolved Fluorescence Quenching Studies in Nanocomposite Materials Made of Silica and Cetyltrimethylammonium Bromide. Journal of Physical Chemistry B, 1999, 103, 9085-9089.	2.6	17
42	Initial employment of pyridine-2-amidoxime in zinc(II) chemistry: Synthetic, structural and spectroscopic studies of mononuclear and dinuclear complexes. Inorganica Chimica Acta, 2011, 376, 470-478.	2.4	16
43	Hexanuclear zinc(II) carboxylate complexes from the use of pyridine-2,6-dimethanol: Synthetic, structural and photoluminescence studies. Polyhedron, 2013, 52, 467-475.	2.2	16
44	Study of the conditions affecting dye adsorption on titania films and of their effect on dye photodegradation rates. Journal of Hazardous Materials, 2007, 146, 514-519.	12.4	15
45	Structural diversity in Ni ^{II} cluster chemistry: Ni ₅ , Ni ₆ , and {NiNa ₂ } _n complexes bearing the Schiff-base ligand N-naphthalidene-2-amino-5-chlorobenzoic acid. Dalton Transactions, 2016, 45, 10256-10270.	3.3	15
46	Slow magnetic relaxation and luminescence properties in lanthanide(III)/anil complexes. Dalton Transactions, 2018, 47, 11859-11872.	3.3	15
47	Molecular Diffusion and Fluorescence Energy-Transfer Studies in Thin Surfactant Films. Langmuir, 1995, 11, 4355-4360.	3.5	14
48	An Experimental Brackish Aquaponic System Using Juvenile Gilthead Sea Bream (Sparus aurata) and Rock Samphire (Crithmum maritimum). Sustainability, 2019, 11, 4820.	3.2	13
49	Mononuclear Lanthanide(III)-Salicylideneaniline Complexes: Synthetic, Structural, Spectroscopic, and Magnetic Studies. Magnetochemistry, 2018, 4, 45.	2.4	12
50	Multifunctionality in Two Families of Dinuclear Lanthanide(III) Complexes with a Tridentate Schiff-Base Ligand. Inorganic Chemistry, 2019, 58, 9581-9585.	4.0	12
51	Polymeric Coatings Based on Water-Soluble Trimethylammonium Copolymers for Antifouling Applications. Molecules, 2020, 25, 1678.	3.8	12
52	Photophysical Studies in AOT Films Deposited on Fused Silica Slides. Journal of Colloid and Interface Science, 1996, 183, 552-558.	9.4	11
53	Photophysical properties of a series of blue-emitting rigid-flexible polyethers in solution and in thin films. Journal of Luminescence, 2001, 93, 223-227.	3.1	11
54	Photophysical Studies on Terpyridine-Eu ³⁺ Complexes in Sol-Gel Nanocomposite Materials. Journal of Sol-Gel Science and Technology, 2003, 26, 887-890.	2.4	11

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55	Use of Ureasil gels to extract ions from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2007, 147, 184-187.	12.4	10
56	Simultaneous coordination of a ketone by two cadmium(II) ions and conversion to its gem-diolate($\hat{=}1$) form. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1057-1060.	3.9	10
57	Release of Polymeric Biocides from Synthetic Matrices for Marine Biofouling Applications. <i>Agriculture and Agricultural Science Procedia</i> , 2015, 4, 445-450.	0.6	10
58	Structural Identification of Metalloproteomes in Marine Diatoms, an Efficient Algae Model in Toxic Metals Bioremediation. <i>Molecules</i> , 2022, 27, 378.	3.8	10
59	Fluorescence Probing of Composite Organic/Inorganic Transparent Matrices. <i>Journal of Sol-Gel Science and Technology</i> , 1998, 13, 95-98.	2.4	9
60	Tetranuclear oxido-bridged thorium($\langle\text{sc}\rangle\text{iv}\langle/\text{sc}\rangle$) clusters obtained using tridentate Schiff bases. <i>Dalton Transactions</i> , 2019, 48, 15668-15678.	3.3	9
61	Leaching of Organic Molecules from Composite Silica/Surfactant Films into Water. <i>Chemistry of Materials</i> , 1997, 9, 2652-2658.	6.7	8
62	2-hydroxybenzophenone-controlled self-assembly of enneanuclear lanthanide(III) hydroxo coordination clusters with an "hourglass" like topology. <i>Inorganic Chemistry Communication</i> , 2017, 83, 118-122.	3.9	8
63	Use of halloysite nanotubes to reduce ammonium concentration in water and wastewaters. <i>Materials Research Innovations</i> , 2017, 21, 313-319.	2.3	8
64	The unusual luminescence properties of 2,2',2''-terpyridine-metal ion complexes. <i>Chemical Physics Letters</i> , 2004, 383, 59-61.	2.6	7
65	Dioxidouranium(IV) complexes with Schiff bases possessing an ONO donor set: Synthetic, structural and spectroscopic studies. <i>Polyhedron</i> , 2018, 152, 172-178.	2.2	7
66	Application of a catalytic oxidation method for the simultaneous determination of total organic carbon and total nitrogen in marine sediments and soils. <i>PLoS ONE</i> , 2021, 16, e0252308.	2.5	7
67	Dystrophic crisis event in Papas Lagoon, Araxos Cape, Western Greece in the summer 2012. <i>Mediterranean Marine Science</i> , 2016, 17, 32.	1.6	7
68	Gallium(III) complexes based on N,N'-bis(salicylidene)propane-1,3-diamine and its derivatives. <i>Polyhedron</i> , 2013, 64, 77-83.	2.2	6
69	Reactivity of Coordinated 2-Pyridyl Oximes: Synthesis, Structure, Spectroscopic Characterization and Theoretical Studies of Dichlorodi{(2-Pyridyl)Furoxan}Zinc(II) Obtained from the Reaction between Zinc(II) Nitrate and Pyridine-2-Chloroxime. <i>Inorganics</i> , 2020, 8, 47.	2.7	6
70	Indium(III) in the "Periodic Table" of Di(2-pyridyl) Ketone: An Unprecedented Transformation of the Ligand and Solid-State ^{115}In NMR Spectroscopy as a Valuable Structural Tool. <i>Inorganic Chemistry</i> , 2021, 60, 4829-4840.	4.0	4
71	A Pyrene-Loaded Film Composed of Triton X-100 and Poly(vinylmethylether). <i>Journal of Colloid and Interface Science</i> , 1996, 182, 304-305.	9.4	3
72	Intrinsic Photoluminescence from Gels Containing Amine or Amide Chemical Groups. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 372-376.	0.9	3

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73	Environmental characterization of a Mediterranean protected shallow brackish coastal aquatic system, Klisova Lagoon, Western Greece: a case study. <i>Journal of Coastal Conservation</i> , 2017, 21, 115-125.	1.6	3
74	Facile Method to Prepare pH-Sensitive PEI-Functionalized Carbon Nanotubes as Rationally Designed Vehicles for Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Delivery. <i>Journal of Carbon Research</i> , 2020, 6, 62.	2.7	3
75	Dinuclear Lanthanide(III) Complexes from the Use of Methyl 2-Pyridyl Ketoxime: Synthetic, Structural, and Physical Studies. <i>Molecules</i> , 2021, 26, 1622.	3.8	3
76	Studies on Hybrid Organic/Inorganic Nanocomposite Gels Using Photoluminescence Techniques. <i>Monatshefte für Chemie</i> , 2001, 132, 97-102.	1.8	2
77	Enhancement of weak radiative transitions of Eu ³⁺ in thin surfactant films in the presence of poly(methyl methacrylate). , 2001, , 27-29.		2
78	Studies on Hybrid Organic/Inorganic Nanocomposite Gels Using Photoluminescence Techniques. , 2001, , 97-102.		2
79	Two different coordination modes of the Schiff base derived from ortho-vanillin and 2-(2-aminomethyl)pyridine in a mononuclear uranyl complex. <i>Heliyon</i> , 2022, 8, e09705.	3.2	2
80	Zinc(II) vs cadmium(II) in organic chelate-free chemistry: Synthesis and characterization of 1-D [Zn ₂ (N ₃) ₄ (MeCN) ₃] _n and 2-D [Cd ₃ (N ₃) ₆ (MeCN) ₂] _n coordination polymers. <i>Polyhedron</i> , 2021, 208, 115423.	2.2	1
81	Rare Nuclearities in Ni(II) Cluster Chemistry: An Unprecedented {Ni ₁₂ } Nanosized Cage from the Use of N-Naphthalidene-2-Amino-5-Chlorobenzoic Acid. <i>Inorganics</i> , 2020, 8, 32.	2.7	0