

Patrick Gredin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7595173/publications.pdf>

Version: 2024-02-01

60
papers

1,602
citations

304368

22
h-index

288905

40
g-index

63
all docs

63
docs citations

63
times ranked

1832
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective self-assembly of chiral bimetallic oxalate-based networks. <i>Coordination Chemistry Reviews</i> , 2006, 250, 2491-2500.	9.5	161
2	Synthesis and optical characterizations of Yb-doped CaF ₂ ceramics. <i>Optical Materials</i> , 2009, 31, 750-753.	1.7	113
3	Synthesis and optical characterizations of undoped and rare-earth-doped CaF ₂ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006, 179, 2636-2644.	1.4	110
4	Fluoride materials for optical applications: Single crystals, ceramics, glasses, and glass-ceramics. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 1165-1173.	0.9	105
5	Synthesis, characterization and magnetic properties of disk-shaped particles of a cobalt alkoxide: Co(II)(C ₂ H ₄ O ₂). <i>New Journal of Chemistry</i> , 2005, 29, 355-361.	1.4	98
6	Origin of light scattering in ytterbium doped calcium fluoride transparent ceramic for high power lasers. <i>Journal of the European Ceramic Society</i> , 2011, 31, 1619-1630.	2.8	98
7	Optical nanoheater based on the Yb ³⁺ -Er ³⁺ co-doped nanoparticles. <i>Optics Express</i> , 2009, 17, 11794.	1.7	88
8	Chiral Templating Activity of Tris(bipyridine)ruthenium(II) Cation in the Design of Three-Dimensional (3D) Optically Active Oxalate-Bridged {[Ru(bpy) ₃][Cu ₂ xNi ₂ (1-x)(C ₂ O ₄) ₃]} _n (0 ≤ x ≤ 1; bpy = 2,2'-bipyridine) ₂ Structural, Optical, and Magnetic Studies. <i>Chemistry of Materials</i> , 2004, 16, 832-841.		77
9	Effect of Yb ³⁺ concentration on optical properties of Yb:CaF ₂ transparent ceramics. <i>Optical Materials</i> , 2012, 34, 965-968.	1.7	65
10	Laser performance of diode-pumped Yb:CaF ₂ optical ceramics synthesized using an energy-efficient process. <i>Optica</i> , 2015, 2, 288.	4.8	53
11	Preparation and up-conversion luminescence of 8 nm rare-earth doped fluoride nanoparticles. <i>Optics Express</i> , 2008, 16, 14544.	1.7	41
12	Structure, magnetism and optical properties of achiral and chiral two-dimensional oxalate-bridged anionic networks with symmetric and asymmetric ammonium cations. <i>Dalton Transactions</i> , 2005, , 3101.	1.6	40
13	Wet-route Synthesis and Characterization of Yb:CaF ₂ Optical Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1992-2000.	1.9	39
14	Enantioselective Self-Assembly of Bimetallic [Mn(II)(<i>l</i> ⁻)-Cr(III)(C ₂ O ₄) ₃] ⁴⁻ and [Mn(II)(<i>l</i> ⁻)-Cr(III)(C ₂ O ₄) ₃] ⁴⁻ Layered Anionic Networks Templated by the Optically Active (Rp)- and (Sp)-[1-CH ₂ N(n-C ₃ H ₇) ₃ -2-CH ₃ -5-C ₅ H ₃ Fe ⁺ -5-C ₅ H ₅] ⁺ Ions. <i>Chemistry - A European Journal</i> , 2004, 10, 4763-4769.	1.7	35
15	Covalent modification of calcium hydroxyapatite surface by grafting phenyl phosphonate moieties. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2273-2278.	1.4	31
16	Six-fold Oxygen-Coordinated Triplet (S= 1) Palladium(II) Moieties Templated by Tris(bipyridine)ruthenium(II) Ions. <i>Journal of the American Chemical Society</i> , 2007, 129, 1327-1334.	6.6	30
17	Energy transfers between dysprosium and terbium in. <i>Journal of Luminescence</i> , 2007, 127, 568-574.	1.5	30
18	Cu-modified hydroxy-apatite as catalyst for Glaser-Hay CC homo-coupling reaction of terminal alkynes. <i>Journal of Molecular Catalysis A</i> , 2014, 393, 112-116.	4.8	30

#	ARTICLE	IF	CITATIONS
19	Spectra and energy levels of Yb ³⁺ ions in CaF ₂ transparent ceramics. Journal of Alloys and Compounds, 2014, 584, 261-268.	2.8	27
20	Sorption of tartrate ions to lanthanum (III)-modified calcium fluor- and hydroxyapatite. Journal of Colloid and Interface Science, 2009, 330, 20-28.	5.0	26
21	Cathodo- and photoluminescence in Yb ³⁺ -Er ³⁺ co-doped PbF ₂ nanoparticles. Optics Express, 2010, 18, 8836.	1.7	26
22	Synthesis of Fluoride Nanoparticles in Non-Aqueous Nanoreactors. Luminescence Study of Eu ³⁺ :CaF ₂ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1538-1543.	0.6	22
23	Quantum cutting effect in 3K^{Y} Physical Review B, 2008, 78, .		
24	Nanoscale thermometry with fluorescent yttrium-based Er/Yb-doped fluoride nanocrystals. Sensors and Actuators A: Physical, 2016, 250, 71-77.	2.0	19
25	Exploring the Magnetic and Electric Side of Light through Plasmonic Nanocavities. Nano Letters, 2018, 18, 5098-5103.	4.5	16
26	Chiral matrix effect of optically active oxalate-based networks: controlled helical conformation of an organic chromophore. Tetrahedron: Asymmetry, 2004, 15, 3103-3109.	1.8	15
27	Thermal conductivity measurements of Yb:CaF ₂ transparent ceramics using the 3% method. Journal of Applied Physics, 2017, 121, .	1.1	15
28	Research of green emitting rare-earth doped materials as potential quantum-cutter. Optical Materials, 2008, 30, 1083-1087.	1.7	14
29	Luminescence properties of PbF ₂ :Yb ³⁺ -Er ³⁺ nanoparticles synthesized by two different original routes. Journal of Alloys and Compounds, 2008, 451, 563-566.	2.8	14
30	Fluorescence enhancement near single TiO ₂ nanodisks. Applied Physics Letters, 2017, 111, .	1.5	13
31	Synthesis and structural characterization of K _{0.33} Gd _{0.67} F _{2.33} (KGd ₂ F ₇) and K _{0.31} Gd _{0.69} F _{1.84} O _{0.27} . Solid State Sciences, 2004, 6, 1221-1228.	1.5	11
32	Complex copper(II) fluorides. XV. The Ternary System BaF ₂ ?CuF ₂ ?ScF ₃ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1993, 619, 1088-1094.	0.6	10
33	The crystal structure of a new form of the dipotassium pentafluoroaluminate hydrate, K ₂ AlF ₅ ·H ₂ O, and of its dehydrate, K ₂ AlF ₅ . Journal of Fluorine Chemistry, 1996, 77, 39-44.	0.9	10
34	The Crystal Structure of Ba ₂ Cu ₂ AlF ₁₁ : a New Structure Type in Copper Fluoride Crystal Chemistry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1998, 624, 331-334.	0.6	10
35	The Crystal Structure of the Weberite Na ₂ MgInF ₇ . Journal of Solid State Chemistry, 2001, 159, 234-238.	1.4	10
36	The Crystal Structure of Ba ₃ Cu ₂ Al ₂ F ₁₆ : a Relative of Ba ₄ Cu ₂ Al ₃ F ₂₁ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1960-1964.	0.6	8

#	ARTICLE	IF	CITATIONS
37	New powder diffraction data for dimorphic KHF_2 . Powder Diffraction, 1996, 11, 121-122.	0.4	7
38	The Ternary System $\text{BaF}_2/\text{CuF}_2/\text{AlF}_3$ and the Crystal Structure of $\text{Ba}_4\text{Cu}_2\text{Al}_7\text{F}_{19}$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 191-197.	0.6	7
39	Structural and magnetic properties of two- and three-dimensional molecule-based magnets $(\text{cat})_x[\text{MIIIMIII}(\text{C}_2\text{O}_4)_3]_x$. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1089-1090.	1.0	7
40	Sol-gel synthesis of K_3InF_6 and structural characterization of $\text{K}_2\text{InC}_{10}\text{O}_{10}\text{H}_6\text{F}_9$, $\text{K}_3\text{InC}_{12}\text{O}_{14}\text{H}_4\text{F}_{18}$ and $\text{K}_3\text{InC}_{12}\text{O}_{12}\text{F}_{18}$. Journal of Solid State Chemistry, 2005, 178, 3197-3205.	1.4	7
41	The Crystal Structure of $\text{Ba}_2\text{CuAlF}_9$: a New Structure Type in Copper Fluoride Chemistry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 1310-1314.	0.6	6
42	A 3D array of Co(II) cubanes with very strong magnetic anisotropy. Journal of Alloys and Compounds, 2016, 686, 447-452.	2.8	5
43	The Crystal Structure of $\text{Pb}_8\text{FeIIFe}_2\text{IIIIF}_{24}$: an ordered Fluorite-like Compound. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1995, 621, 1053-1057.	0.6	4
44	The Crystal Structure of $\text{Ba}_5\text{Cu}_2\text{Al}_3\text{F}_{23}$: A Complex Barium, Copper, Aluminum Fluoride, with Copper (II) in Trigonal Prismatic Environment. Journal of Solid State Chemistry, 1999, 147, 657-663.	1.4	4
45	The Crystal Structure of $\text{Ba}_5\text{Ga}_2\text{F}_{18}\text{O}$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1044-1050.	0.6	3
46	Last advances in Yb ³⁺ -doped CaF ₂ ceramics synthesis. , 2011, , .		3
47	Structural, thermal and optical investigations of $\text{PbF}_2:\text{Eu}^{3+}$ particles prepared by co-precipitation method. Optical Materials, 2018, 83, 321-327.	1.7	3
48	Apatites based catalysts: A tentative classification. Molecular Catalysis, 2022, 519, 112146.	1.0	3
49	The crystal structure of $\text{Pb}_7\text{FeIIFe}_6\text{IIIIF}_{34}$: A new jarlrite-type compound. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 1200-1204.	0.6	2
50	Magnetic and Fluorescent Hybrid Silica Nanoparticles Based on the Co-Encapsulation of Fe_2O_3 Nanocrystals and $[\text{Mo}_6\text{Br}_{14}]^{2-}$ Luminescent Nanosized Clusters by Water-in-Oil Microemulsion. Key Engineering Materials, 2014, 617, 174-178.	0.4	2
51	The incorporation site of Er in nanosized CaF_2 . Journal of Physics Condensed Matter, 2016, 28, 485301.	0.7	2
52	Dependence of the interaction mechanisms between l-serine and O-phospho-l-serine with calcium hydroxyapatite and copper modified hydroxyapatite in relation with the acidity of aqueous medium. Journal of Biological Inorganic Chemistry, 2018, 23, 929-937.	1.1	2
53	Powder diffraction data for copper hexafluorides: Ba_2CuF_6 and Pb_2CuF_6 . Powder Diffraction, 1995, 10, 221-222.	0.4	1
54	Mössbauer Spectroscopy and Magnetic Properties of $\text{Ba}_5\text{FeIII}_3\text{MIIIF}_{19}\text{O}_x$ (M= Fe, Cu). Journal of Solid State Chemistry, 1996, 125, 159-164.	1.4	1

#	ARTICLE	IF	CITATIONS
55	Magnetic properties of two copper II fluorides: Ba ₂ Cu ₂ AlF ₁₁ and Ba ₅ Sc ₂ CuF ₁₈ . Solid State Sciences, 2000, 2, 531-537.	1.5	1
56	Diode-pumped laser demonstration with Yb:CaF ₂ nanopowder-based ceramics. , 2014, , .		1
57	The Crystal Structure of Ba ₃ Cu ₂ Al ₂ F ₁₆ : A Relative of Ba ₄ Cu ₂ Al ₃ F ₂₁ .. ChemInform, 2004, 35, no.	0.1	0
58	<title>Optically active molecular magnets</title>. , 2005, 5946, 143.		0
59	Synthesis and Structural Characterization of K _{0.33} Gd _{0.67} F _{2.33} (KGd ₂ F ₇) and K _{0.31} Gd _{0.69} F _{1.84} O _{0.27} .. ChemInform, 2005, 36, no.	0.1	0
60	Analysis of Thermal Properties for Novel Nanopowder-Based Yb:CaF ₂ Optical Ceramics. , 2017, , .		0