Genevieve Chadeyron

List of Publications by Year
in descending order

78 papers	1,979 citations	257357 24 h-index	276775 41 g-index
79 all docs	79 docs citations	79 times ranked	2332 citing authors

#	Article	IF	Citations
1	Elucidating the effect of the spacer and the luminescence mechanism of SRB hosted in a LDH interlayer. Materials Advances, 2022, 3, 1200-1211.	2.6	2
2	Perylene diimide derivative dispersed in LDH as a new efficient red-emitting phosphor for LED applications. Journal of Materials Chemistry C, 2022, 10, 9989-10000.	2.7	2
3	Reliability study under thermal and photonic stresses of sulforhodamine B (SRB) confined in layered double hydroxide (LDH). Applied Clay Science, 2021, 201, 105922.	2.6	5
4	Investigation of the Incorporation of Cerium Ions in MCVD-Silica Glass Preforms for Remote Optical Fiber Radiation Dosimetry. Sensors, 2021, 21, 3362.	2.1	10
5	A First Wideâ€Open LDH Structure Hosting InP/ZnS QDs: A New Route Toward Efficient and Photostable Redâ€Emitting Phosphor. Advanced Materials, 2021, 33, e2103411.	11.1	10
6	Co-assembled photoactive organic molecules into layered double hydroxide as fluorescent fillers for silicone films. Materials Today Communications, 2021, 28, 102479.	0.9	4
7	Sulforhodamine B-LDH composite as a rare-earth-free red-emitting phosphor for LED lighting. Journal of Materials Chemistry C, 2020, 8, 11906-11915.	2.7	16
8	Rare-earth-free zinc aluminium borate white phosphors for LED lighting. Journal of Materials Chemistry C, 2020, 8, 11839-11849.	2.7	13
9	Luminescent N-heterocycles based molecular backbone interleaved within LDH host structure and dispersed into polymer. Applied Clay Science, 2020, 189, 105561.	2.6	8
10	Revisiting fluorescein and layered double hydroxide using a synergistic approach: A complete optical study. Journal of Luminescence, 2019, 215, 116634.	1.5	12
11	Towards rare-earth-free white light-emitting diode devices based on the combination of dicyanomethylene and pyranine as organic dyes supported on zinc single-layered hydroxide. Beilstein Journal of Nanotechnology, 2019, 10, 760-770.	1.5	13
12	Radioluminescence and Optically Stimulated Luminescence Responses of a Cerium-Doped Sol-Gel Silica Glass Under X-Ray Beam Irradiation. IEEE Transactions on Nuclear Science, 2018, 65, 1591-1597.	1.2	20
13	Optical Properties and Reliability Studies of Gradient Alloyed Green Emitting (CdSe)x(ZnS)1â€“x and Red Emitting (CuInS2)x(ZnS)1â€“x Quantum Dots for White Light-Emitting Diodes. ACS Photonics, 2018, 5, 462-470.	3.2	17
14	Spectroscopic study and enhanced thermostability of combustion-derived BaMgAl 10 O 17 :Eu 2+ blue phosphors for solid-state lighting. Optical Materials, 2017, 64, 334-344.	1.7	19
15	Tuning the morphology of GdxY1-xPO4:Tb3+ powders and their emission intensity upon VUV excitation. Optical Materials, 2017, 73, 350-357.	1.7	6
16	Preparation and characterization of a red luminescent composite composed of an EVA copolymer and a Y₃BO₆:Eu³⁺ phosphor. New Journal of Chemistry, 2017, 41, 12006-12013.	1.4	17
17	VUV excited luminescence of Gd0.9Eu0.1BO3 nanophosphor prepared by aqueous sol-gel method. Journal of Luminescence, 2017, 192, 404-409.	1.5	6
18	Applications of polymer nanocomposites as encapsulants for solar cells and LEDs: Impact of photodegradation on barrier and optical properties. Polymer Degradation and Stability, 2017, 145, 52-59.	2.7	23

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19	Phase equilibria in the NaF-CdO-NaPO 3 system at 873 K and crystal structure and physico-chemical characterizations of the new Na 2 CdPO 4 F fluorophosphate. Journal of Solid State Chemistry, 2017, 248, 75-86.	1.4	10
20	Redâ€“greenâ€“blue upconversion luminescence and energy transfer in Yb3+/Er3+/Tm3+ doped YP5O14 ultraphosphates. Journal of Luminescence, 2017, 181, 393-399.	1.5	30
21	Na doping effects on the structural, conduction type and optical properties of solâ€“gel ZnO thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 1546-1554.	1.1	16
22	Novel bluish white-emitting CdBaP 2 O 7 :Eu 2+ phosphor for near-UV white-emitting diodes. Journal of Luminescence, 2016, 176, 356-362.	1.5	10
23	Doping effect investigation of Li-doped nanostructured ZnO thin films prepared by solâ€“gel process. Journal of Materials Science: Materials in Electronics, 2016, 27, 8040-8046.	1.1	30
24	A thorough spectroscopic study of luminescent precursor solution of Y₃Al₅O₁₂:Tb³⁺: influence of acetylacetone. RSC Advances, 2016, 6, 41962-41971.	1.7	12
25	Photoluminescence behavior of YPO 4 :Tb 3+ crystallized in monoclinic, hexagonal or tetragonal phase obtained by hydrothermal process. Materials Research Bulletin, 2016, 84, 225-231.	2.7	16
26	Silica encapsulated fluorescein as a hybrid dye for blue-LED based lighting devices. Journal of Materials Chemistry C, 2016, 4, 6562-6569.	2.7	25
27	Cerium-activated solâ€“gel silica glasses for radiation dosimetry in harsh environment. Materials Research Express, 2016, 3, 046201.	0.8	26
28	Spectroscopic properties and Juddâ€“Ofelt analysis of Eu3+ doped GdPO4 nanoparticles and nanowires. Journal of Luminescence, 2016, 170, 200-206.	1.5	37
29	Luminescent PVP/SiO2@YAG:Tb3+ composite films. Ceramics International, 2015, 41, 11272-11278.	2.3	8
30	In situ synthesis of a highly crystalline Tb-doped YAG nanophosphor using the mesopores of silica monoliths as a template. Journal of Materials Chemistry C, 2015, 3, 5041-5049.	2.7	8
31	Development of rare-earth-free phosphors for eco-energy lighting based LEDs. Journal of Materials Chemistry C, 2015, 3, 9580-9587.	2.7	34
32	Effects of densification atmosphere on optical properties of ionic copper-activated solâ€“gel silica glass: towards an efficient radiation dosimeter. Materials Research Express, 2014, 1, 026203.	0.8	14
33	Hydrothermal synthesis of lanthanideâ€doped GdPO₄ nanowires and nanoparticles for optical applications. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 498-503.	0.8	13
34	Ce-Doped YAG Nanophosphor and Red Emitting CuInS₂/ZnS Core/Shell Quantum Dots for Warm White Light-Emitting Diode with High Color Rendering Index. ACS Applied Materials & Interfaces, 2014, 6, 252-258.	4.0	154
35	Structural studies of BaTiO3:Er3+ and BaTiO3:Yb3+ powders synthesized by hydrothermal method. Journal of Rare Earths, 2014, 32, 1016-1021.	2.5	16
36	Investigations on PVP/Y₃BO₆:Eu³⁺, a red luminescent composite for lighting devices based on near UV-LEDs. Journal of Materials Chemistry C, 2014, 2, 6301-6311.	2.7	15

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37	Investigation on combustion derived BaMgAl₁₀O₁₇:Eu²⁺phosphor powder and its corresponding PVP/BaMgAl₁₀O₁₇:Eu²⁺nanocomposite. Dalton Transactions, 2014, 43, 1072-1081.	1.6	23
38	Vacuum ultraviolet excited luminescence properties of solâ€“gel derived GdP5O14:Eu3+ powders. Journal of Luminescence, 2014, 145, 335-339.	1.5	10
39	Optical properties and electronic band structure of BiMg2PO6, BiMg2VO6, BiMg2VO6:Pr3+ and BiMg2VO6:Eu3+. Optical Materials, 2014, 36, 1724-1729.	1.7	56
40	Influence of hydrothermally-synthesized LaPO4:Tb3+ nanorods on the physical and physico-chemical properties of photo-structured acrylate material. Materials Chemistry and Physics, 2013, 141, 138-144.	2.0	4
41	Structural and optical characterizations of rare earth pentaphosphates LnP5O14 (LnÂ=ÂLa, Gd) synthesized by the solâ€“gel process. Journal of Sol-Gel Science and Technology, 2013, 68, 193-203.	1.1	2
42	Influence of functional nanoparticles on the photostability of polymer materials: Recent progress and further applications. Polymer Degradation and Stability, 2013, 98, 2411-2418.	2.7	35
43	Comparative study of physico-mechanical and antioxidant properties of edible gelatin films from the skin of cuttlefish. International Journal of Biological Macromolecules, 2013, 61, 17-25.	3.6	64
44	Elaboration and optimization of Ce-doped Y3Al5O12 nanopowder dispersions. Journal of the European Ceramic Society, 2013, 33, 1935-1945.	2.8	36
45	Soft-Chemistry Derived Advanced Phosphors for Smart Lighting Devices Based on Blue or UV LEDs. ECS Journal of Solid State Science and Technology, 2013, 2, R3041-R3047.	0.9	8
46	Hydrothermal Synthesis and Characterization of Europium-doped Barium Titanate Nanocrystallites. , 2013, 5, 57.		1
47	Luminescent Nanocomposites Made of Finely Dispersed Y3Ga5O12:Tb Powder in a Polymer Matrix: Promising Candidates for Optical Devices. Langmuir, 2012, 28, 13526-13535.	1.6	21
48	Rapid synthesis of Ce3+-doped YAG nanoparticles by a solvothermal method using metal carbonates as precursors. New Journal of Chemistry, 2012, 36, 2493.	1.4	33
49	Structural, morphological and scintillation properties of Ce3+-doped Y3Al5O12 powders and films elaborated by the solâ€“gel process. Materials Chemistry and Physics, 2011, 130, 500-506.	2.0	16
50	Structural, morphological and optical investigations on BaMgAl10O17:Eu2+ elaborated by a microwave induced solution combustion synthesis. Materials Research Bulletin, 2011, 46, 563-568.	2.7	23
51	Evolution and Eu3+ Doping of Solâ^'Gel Derived Ternary ZnxTiyOz - Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 2843-2852.	1.5	41
52	The influence of polyvinylpyrrolidone on thick and optical properties of BaTiO3:Er3+ thin films prepared by solâ€“gel method. Journal of Sol-Gel Science and Technology, 2010, 53, 246-254.	1.1	13
53	Comparison of yttrium polyphosphate Y(PO3)3 prepared by solâ€“gel process and solid state synthesis. Journal of Sol-Gel Science and Technology, 2010, 55, 41-51.	1.1	17
54	Tb3+-doped yttrium garnets: Promising tunable green phosphors for solid-state lighting. Chemical Physics Letters, 2010, 490, 50-53.	1.2	22

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55	Modifications induced by acetylacetone in properties of solâ€“gel derived Y3Al5O12â€‰:â€‰Tb3+â€“ I: structural and morphological organizations. Dalton Transactions, 2010, 39, 8706.	1.6	18
56	Modifications involved by acetylacetone in properties of solâ€“gel derived Y3Al5O12:Tb3+â€“ II: optical features. Dalton Transactions, 2010, 39, 8718.	1.6	22
57	A promising way to obtain large, luminescent and transparent thick films suitable for optical devices. New Journal of Chemistry, 2010, 34, 385.	1.4	8
58	Eu-Doped BaTiO3 Powder and Film from Sol-Gel Process with Polyvinylpyrrolidone Additive. International Journal of Molecular Sciences, 2009, 10, 4088-4101.	1.8	45
59	Waveguiding terbium-doped yttrium aluminum garnet coatings based on the solâ€“gel process. Thin Solid Films, 2009, 517, 4610-4614.	0.8	12
60	Preparation and studies of Eu3+ and Tb3+ co-doped Gd2O3 and Y2O3 solâ€“gel scintillating films. Thin Solid Films, 2009, 517, 6753-6758.	0.8	24
61	Synthesis and crystal structure determination of yttrium ultraphosphate YP5O14. Journal of Solid State Chemistry, 2009, 182, 509-516.	1.4	17
62	Poudres et couches minces fluorescentes prÃ©parÃ©es par sol-gel : un exemple de luminophores nanostructurÃ©s fonctionnels. , 2009, , .		0
63	Optical properties upon vacuum ultraviolet excitation of sol-gel based Y3Al5O12:Tb3+, Ce3+ powders. Journal of Applied Physics, 2007, 102, 073536.	1.1	31
64	Sol-gel based YAG:Ce3+ powders for applications in LED devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 65-69.	0.8	22
65	Synthesis of yttrium orthoborate powders. Russian Journal of Inorganic Chemistry, 2007, 52, 829-834.	0.3	5
66	Production and shaping of high performance phosphors by using the solâ€“gel process: Yttrium aluminum garnet (Y3Al5O12). Journal of Non-Crystalline Solids, 2006, 352, 2510-2514.	1.5	24
67	Solâ€“gel derived Y(PO3)3 polyphosphate: Synthesis and characterization. Optical Materials, 2006, 28, 615-620.	1.7	20
68	Sol-gel elaboration and characterization of YAG: Tb3+ powdered phosphors. Journal of Materials Science, 2006, 41, 2201-2209.	1.7	35
69	Influence of a chelating agent on optical and morphological properties of YAG: Tb3+ phosphors prepared by the sol-gel process. Journal of Sol-Gel Science and Technology, 2006, 39, 275-284.	1.1	20
70	Solâ€“gel based YAGâ€‰:â€‰Tb3+or Eu3+phosphors for application in lighting sources. Journal Physics D: Applied Physics, 2005, 38, 3251-3260.	1.3	65
71	Structural and optical characterizations of YAG:Eu3+ elaborated by the solâ€“gel process. Optical Materials, 2004, 26, 101-105.	1.7	66
72	LUMINIX : synthÃ¨se, caractÃ©risation et mise en forme de luminophores denses pour la tomographie X : application Ã un systÃ¨me de rÃ©alitÃ© augmentÃ©e. IRBM News, 2004, 25, 246-249.	0.1	0

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73	Structural and optical characterizations of sol-gel-derived europium-doped YAG materials: powders and films. , 2004, , .		3
74	Infra-red to visible up-conversion in holmium-doped materials. Journal of Alloys and Compounds, 2002, 341, 353-357.	2.8	42
75	Room temperature photon avalanche in Ho3+ doped YAG, YAP, YLF and ZBLAN. Journal of Alloys and Compounds, 2001, 323-324, 731-735.	2.8	26
76	Spectroscopy and upconversion processes in YAlO3:Ho3+ crystals. Optical Materials, 1999, 12, 409-423.	1.7	75
77	Synthesis dependent luminescence efficiency in Eu3+ doped polycrystalline YBO3. Journal of Materials Chemistry, 1999, 9, 211-214.	6.7	113
78	Revised Structure of the Orthoborate YBO3. Journal of Solid State Chemistry, 1997, 128, 261-266.	1.4	184