

# Genevieve Chadeyron

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6331408/publications.pdf>

Version: 2024-02-01

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	Revised Structure of the Orthoborate YBO <sub>3</sub> . Journal of Solid State Chemistry, 1997, 128, 261-266.	1.4	184
2	Ce-Doped YAG Nanophosphor and Red Emitting CuInS <sub>2</sub> /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
3	Synthesis dependent luminescence efficiency in Eu <sup>3+</sup> doped polycrystalline YBO <sub>3</sub> . Journal of Materials Chemistry, 1999, 9, 211-214.	6.7	113
4	Spectroscopy and upconversion processes in YAlO <sub>3</sub> :Ho <sup>3+</sup> crystals. Optical Materials, 1999, 12, 409-423.	1.7	75
5	Structural and optical characterizations of YAG:Eu <sup>3+</sup> elaborated by the sol-gel process. Optical Materials, 2004, 26, 101-105.	1.7	66
6	Sol-gel based YAG:Tb <sup>3+</sup> or Eu <sup>3+</sup> phosphors for application in lighting sources. Journal Physics D: Applied Physics, 2005, 38, 3251-3260.	1.3	65
7	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
8	Optical properties and electronic band structure of BiMg <sub>2</sub> PO <sub>6</sub> , BiMg <sub>2</sub> VO <sub>6</sub> , BiMg <sub>2</sub> VO <sub>6</sub> :Pr <sup>3+</sup> and BiMg <sub>2</sub> VO <sub>6</sub> :Eu <sup>3+</sup> . Optical Materials, 2014, 36, 1724-1729.	1.7	56
9	Eu-Doped BaTiO <sub>3</sub> Powder and Film from Sol-Gel Process with Polyvinylpyrrolidone Additive. International Journal of Molecular Sciences, 2009, 10, 4088-4101.	1.8	45
10	Infra-red to visible up-conversion in holmium-doped materials. Journal of Alloys and Compounds, 2002, 341, 353-357.	2.8	42
11	Evolution and Eu <sup>3+</sup> Doping of Sol-Gel Derived Ternary Zn <sub>x</sub> Ti <sub>y</sub> O <sub>z</sub> - Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 2843-2852.	1.5	41
12	Spectroscopic properties and Judd-Ofelt analysis of Eu <sup>3+</sup> doped GdPO <sub>4</sub> nanoparticles and nanowires. Journal of Luminescence, 2016, 170, 200-206.	1.5	37
13	Elaboration and optimization of Ce-doped Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> nanopowder dispersions. Journal of the European Ceramic Society, 2013, 33, 1935-1945.	2.8	36
14	Sol-gel elaboration and characterization of YAG: Tb <sup>3+</sup> powdered phosphors. Journal of Materials Science, 2006, 41, 2201-2209.	1.7	35
15	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
16	Development of rare-earth-free phosphors for eco-energy lighting based LEDs. Journal of Materials Chemistry C, 2015, 3, 9580-9587.	2.7	34
17	Rapid synthesis of Ce <sup>3+</sup> -doped YAG nanoparticles by a solvothermal method using metal carbonates as precursors. New Journal of Chemistry, 2012, 36, 2493.	1.4	33
18	Optical properties upon vacuum ultraviolet excitation of sol-gel based Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Tb <sup>3+</sup> , Ce <sup>3+</sup> powders. Journal of Applied Physics, 2007, 102, 073536.	1.1	31

#	ARTICLE	IF	CITATIONS
19	Doping effect investigation of Li-doped nanostructured ZnO thin films prepared by sol-gel process. Journal of Materials Science: Materials in Electronics, 2016, 27, 8040-8046.	1.1	30
20	Red-green-blue upconversion luminescence and energy transfer in Yb <sup>3+</sup> /Er <sup>3+</sup> /Tm <sup>3+</sup> doped YP5O14 ultraphosphates. Journal of Luminescence, 2017, 181, 393-399.	1.5	30
21	Room temperature photon avalanche in Ho <sup>3+</sup> doped YAG, YAP, YLF and ZBLAN. Journal of Alloys and Compounds, 2001, 323-324, 731-735.	2.8	26
22	Cerium-activated sol-gel silica glasses for radiation dosimetry in harsh environment. Materials Research Express, 2016, 3, 046201.	0.8	26
23	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
24	Production and shaping of high performance phosphors by using the sol-gel process: Yttrium aluminum garnet (Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ). Journal of Non-Crystalline Solids, 2006, 352, 2510-2514.	1.5	24
25	Preparation and studies of Eu <sup>3+</sup> and Tb <sup>3+</sup> co-doped Gd <sub>2</sub> O <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> sol-gel scintillating films. Thin Solid Films, 2009, 517, 6753-6758.	0.8	24
26	Structural, morphological and optical investigations on BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> elaborated by a microwave induced solution combustion synthesis. Materials Research Bulletin, 2011, 46, 563-568.	2.7	23
27	Investigation on combustion derived BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> phosphor powder and its corresponding PVP/BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> nanocomposite. Dalton Transactions, 2014, 43, 1072-1081.	1.6	23
28	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
29	Sol-gel based YAG:Ce <sup>3+</sup> powders for applications in LED devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 65-69.	0.8	22
30	Tb <sup>3+</sup> -doped yttrium garnets: Promising tunable green phosphors for solid-state lighting. Chemical Physics Letters, 2010, 490, 50-53.	1.2	22
31	Modifications involved by acetylacetone in properties of sol-gel derived Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Tb <sup>3+</sup> II: optical features. Dalton Transactions, 2010, 39, 8718.	1.6	22
32	Luminescent Nanocomposites Made of Finely Dispersed Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> :Tb Powder in a Polymer Matrix: Promising Candidates for Optical Devices. Langmuir, 2012, 28, 13526-13535.	1.6	21
33	Sol-gel derived Y(PO <sub>3</sub> ) <sub>3</sub> polyphosphate: Synthesis and characterization. Optical Materials, 2006, 28, 615-620.	1.7	20
34	Influence of a chelating agent on optical and morphological properties of YAG: Tb <sup>3+</sup> phosphors prepared by the sol-gel process. Journal of Sol-Gel Science and Technology, 2006, 39, 275-284.	1.1	20
35	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
36	Spectroscopic study and enhanced thermostability of combustion-derived BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> blue phosphors for solid-state lighting. Optical Materials, 2017, 64, 334-344.	1.7	19

#	ARTICLE	IF	CITATIONS
37	Modifications induced by acetylacetone in properties of sol-gel derived $Y_3Al_5O_{12} : Tb^{3+}$ : structural and morphological organizations. Dalton Transactions, 2010, 39, 8706.	1.6	18
38	Synthesis and crystal structure determination of yttrium ultraphosphate $Y_5O_{14}$ . Journal of Solid State Chemistry, 2009, 182, 509-516.	1.4	17
39	Comparison of yttrium polyphosphate $Y(PO_3)_3$ prepared by sol-gel process and solid state synthesis. Journal of Sol-Gel Science and Technology, 2010, 55, 41-51.	1.1	17
40	Preparation and characterization of a red luminescent composite composed of an EVA copolymer and a $Y_3BO_6 : Eu^{3+}$ phosphor. New Journal of Chemistry, 2017, 41, 12006-12013.	1.4	17
41	Optical Properties and Reliability Studies of Gradient Alloyed Green Emitting $(CdSe)_x(ZnS)_{1-x}$ and Red Emitting $(CuInS_2)_x(ZnS)_{1-x}$ Quantum Dots for White Light-Emitting Diodes. ACS Photonics, 2018, 5, 462-470.	3.2	17
42	Structural, morphological and scintillation properties of $Ce^{3+}$ -doped $Y_3Al_5O_{12}$ powders and films elaborated by the sol-gel process. Materials Chemistry and Physics, 2011, 130, 500-506.	2.0	16
43	Structural studies of $BaTiO_3:Er^{3+}$ and $BaTiO_3:Yb^{3+}$ powders synthesized by hydrothermal method. Journal of Rare Earths, 2014, 32, 1016-1021.	2.5	16
44	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
45	Na doping effects on the structural, conduction type and optical properties of sol-gel ZnO thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 1546-1554.	1.1	16
46	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
47	Investigations on $PVP/Y_3BO_6 : Eu^{3+}$ , a red luminescent composite for lighting devices based on near UV-LEDs. Journal of Materials Chemistry C, 2014, 2, 6301-6311.	2.7	15
48	Effects of densification atmosphere on optical properties of ionic copper-activated sol-gel silica glass: towards an efficient radiation dosimeter. Materials Research Express, 2014, 1, 026203.	0.8	14
49	The influence of polyvinylpyrrolidone on thick and optical properties of $BaTiO_3:Er^{3+}$ thin films prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2010, 53, 246-254.	1.1	13
50	Hydrothermal synthesis of lanthanide-doped $GdPO_4$ nanowires and nanoparticles for optical applications. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 498-503.	0.8	13
51	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
52	Rare-earth-free zinc aluminium borate white phosphors for LED lighting. Journal of Materials Chemistry C, 2020, 8, 11839-11849.	2.7	13
53	Waveguiding terbium-doped yttrium aluminum garnet coatings based on the sol-gel process. Thin Solid Films, 2009, 517, 4610-4614.	0.8	12
54	A thorough spectroscopic study of luminescent precursor solution of $Y_3Al_5O_{12} : Tb^{3+}$ : influence of acetylacetone. RSC Advances, 2016, 6, 41962-41971.	1.7	12

#	ARTICLE	IF	CITATIONS
55	Revisiting fluorescein and layered double hydroxide using a synergistic approach: A complete optical study. <i>Journal of Luminescence</i> , 2019, 215, 116634.	1.5	12
56	Vacuum ultraviolet excited luminescence properties of sol-gel derived GdP5O14:Eu3+ powders. <i>Journal of Luminescence</i> , 2014, 145, 335-339.	1.5	10
57	Novel bluish white-emitting CdBaP 2 O 7 :Eu 2+ phosphor for near-UV white-emitting diodes. <i>Journal of Luminescence</i> , 2016, 176, 356-362.	1.5	10
58	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. <i>Journal of Solid State Chemistry</i> , 2017, 248, 75-86.	1.4	10
59	Investigation of the Incorporation of Cerium Ions in MCVD-Silica Glass Preforms for Remote Optical Fiber Radiation Dosimetry. <i>Sensors</i> , 2021, 21, 3362.	2.1	10
60	A First Wide-Open LDH Structure Hosting InP/ZnS QDs: A New Route Toward Efficient and Photostable Red-Emitting Phosphor. <i>Advanced Materials</i> , 2021, 33, e2103411.	11.1	10
61	A promising way to obtain large, luminescent and transparent thick films suitable for optical devices. <i>New Journal of Chemistry</i> , 2010, 34, 385.	1.4	8
62	Soft-Chemistry Derived Advanced Phosphors for Smart Lighting Devices Based on Blue or UV LEDs. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, R3041-R3047.	0.9	8
63	Luminescent PVP/SiO2@YAG:Tb3+ composite films. <i>Ceramics International</i> , 2015, 41, 11272-11278.	2.3	8
64	In situ synthesis of a highly crystalline Tb-doped YAG nanophosphor using the mesopores of silica monoliths as a template. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5041-5049.	2.7	8
65	Luminescent N-heterocycles based molecular backbone interleaved within LDH host structure and dispersed into polymer. <i>Applied Clay Science</i> , 2020, 189, 105561.	2.6	8
66	Tuning the morphology of GdxY1-xPO4:Tb3+ powders and their emission intensity upon VUV excitation. <i>Optical Materials</i> , 2017, 73, 350-357.	1.7	6
67	VUV excited luminescence of Gd0.9Eu0.1BO3 nanophosphor prepared by aqueous sol-gel method. <i>Journal of Luminescence</i> , 2017, 192, 404-409.	1.5	6
68	Synthesis of yttrium orthoborate powders. <i>Russian Journal of Inorganic Chemistry</i> , 2007, 52, 829-834.	0.3	5
69	Reliability study under thermal and photonic stresses of sulforhodamine B (SRB) confined in layered double hydroxide (LDH). <i>Applied Clay Science</i> , 2021, 201, 105922.	2.6	5
70	Influence of hydrothermally-synthesized LaPO4:Tb3+ nanorods on the physical and physico-chemical properties of photo-structured acrylate material. <i>Materials Chemistry and Physics</i> , 2013, 141, 138-144.	2.0	4
71	Co-assembled photoactive organic molecules into layered double hydroxide as fluorescent fillers for silicone films. <i>Materials Today Communications</i> , 2021, 28, 102479.	0.9	4
72	Structural and optical characterizations of sol-gel-derived europium-doped YAG materials: powders and films. , 2004, , .		3

#	ARTICLE	IF	CITATIONS
73	Structural and optical characterizations of rare earth pentaphosphates LnP5O14 (Ln=La, Cd) synthesized by the sol-gel process. Journal of Sol-Gel Science and Technology, 2013, 68, 193-203.	1.1	2
74	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
75	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
76	Hydrothermal Synthesis and Characterization of Europium-doped Barium Titanate Nanocrystallites. , 2013, 5, 57.		1
77	LUMINIX : synthèse, caractérisation et mise en forme de luminophores denses pour la tomographie X : application à un système de réalité augmentée. IRBM News, 2004, 25, 246-249.	0.1	0
78	Poudres et couches minces fluorescentes préparées par sol-gel : un exemple de luminophores nanostructurés fonctionnels. , 2009, , .		0