

# Philippe Boutinaud

## List of Publications by Year in descending order

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47  
papers

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236612

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48  
docs citations

48  
times ranked

1569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the Spectroscopy of the Bi <sup>3+</sup> Ion in Oxide Compounds. Inorganic Chemistry, 2013, 52, 6028-6038.	1.9	235
2	UV-to-red relaxation pathways in CaTiO <sub>3</sub> :Pr <sup>3+</sup> . Journal of Luminescence, 2005, 111, 69-80.	1.5	176
3	Making red emitting phosphors with Pr <sup>3+</sup> . Optical Materials, 2006, 28, 9-13.	1.7	148
4	Luminescence Dynamics in Tb <sup>3+</sup> -Doped CaWO <sub>4</sub> and CaMoO <sub>4</sub> Crystals. Inorganic Chemistry, 2010, 49, 4916-4921.	1.9	140
5	Lanthanide level location in transition metal complex compounds. Optical Materials, 2010, 32, 1681-1685.	1.7	136
6	Red luminescence induced by intervalence charge transfer in Pr <sup>3+</sup> -doped compounds. Journal of Luminescence, 2007, 122-123, 430-433.	1.5	111
7	Emission quenching induced by intervalence charge transfer in Pr <sup>3+</sup> - or Tb <sup>3+</sup> -doped YNbO <sub>4</sub> and CaNb <sub>2</sub> O <sub>6</sub> . Journal of Physics Condensed Matter, 2007, 19, 386230.	0.7	97
8	Recent advances and prospects of persistent luminescent materials as inner secondary self-luminous light source for photocatalytic applications. Chemical Engineering Journal, 2021, 403, 126099.	6.6	84
9	Luminescence properties of Pr <sup>3+</sup> in titanates and vanadates: Towards a criterion to predict 3PO emission quenching. Chemical Physics Letters, 2006, 418, 185-188.	1.2	77
10	Charge transfer transitions in the transition metal oxides ABO <sub>4</sub> :Ln <sup>3+</sup> and APO <sub>4</sub> :Ln <sup>3+</sup> (A=La, Gd, Y, Lu). Journal of Physics Condensed Matter, 2007, 19, 157001.	1.5	76
11	Predicting metal-to-metal charge transfer in closed-shell transition metal oxides doped with Bi <sup>3+</sup> or Pb <sup>2+</sup> . Chemical Physics Letters, 2011, 503, 239-243.	1.2	69
12	Lanthanide 4f-level location in AVO <sub>4</sub> :Ln <sup>3+</sup> (A = La, Gd, Lu) crystals. Journal of Physics Condensed Matter, 2009, 21, 115503.	0.7	65
13	Anti-Stokes luminescence and site selectivity in La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> :Pr <sup>3+</sup> . Journal of Alloys and Compounds, 2002, 341, 139-143.	2.8	58
14	Quenching of Lanthanide Emission by Intervalence Charge Transfer in Crystals Containing Closed Shell Transition Metal Ions. Spectroscopy Letters, 2007, 40, 209-220.	0.5	58
15	Novel persistent and tribo-luminescence from bismuth ion pairs doped strontium gallate. Journal of Materials Chemistry C, 2018, 6, 10367-10375.	2.7	49
16	Tuning the Bi <sup>3+</sup> -photoemission color over the entire visible region by manipulating secondary cations modulation in the Sc <sub>x</sub> P <sub>1-x</sub> O <sub>4</sub> :Bi <sup>3+</sup> (0 ≤ x ≤ 1) solid solution. Journal of Materials Chemistry C, 2019, 7, 9865-9877.	2.7	48
17	Intervalence charge transfer in Pr <sup>3+</sup> - and Tb <sup>3+</sup> -doped double tungstate crystals KRE(WO <sub>4</sub> ) <sub>2</sub> (RE=Y, Gd). Journal of Physics Condensed Matter, 2007, 19, 157001.	1.7	47
18	NaNbO <sub>3</sub> :Pr <sup>3+</sup> : a new red phosphor showing persistent luminescence. Journal of Physics Condensed Matter, 2009, 21, 025901.	0.7	44

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19	Intervalence charge transfer in perovskite titanates $R_{1/2}Na_{1/2}TiO_3:Pr^{3+}$ (R=La, Gd, Y, Lu). Journal of Luminescence, 2010, 130, 1725-1729.	1.5	38
20	On the luminescence of $Bi^{3+}$ pairs in oxidic compounds. Journal of Luminescence, 2018, 197, 228-232.	1.5	38
21	Tunable luminescence of $Bi^{3+}$ -doped $Y_{1-x}V_xO_4$ (0 ≤ x ≤ 1). <a href="#">Tj ETQq1 1 0,784314</a>	0.7	36
22	Optical spectroscopy and excited state dynamics of $CaMoO_4:Pr^{3+}$ . Journal of Solid State Chemistry, 2012, 185, 136-142.	1.4	35
23	The excited state dynamics of $KLa(MoO_4)_2:Pr^{3+}$ : From a case study to the determination of the energy levels of rare earth impurities relative to the bandgap in oxidising host lattices. Journal of Solid State Chemistry, 2008, 181, 1025-1031.	1.4	34
24	On the spectroscopy of $Bi^{3+}$ in d10 post-transition metal oxides. Journal of Luminescence, 2020, 223, 117219.	1.5	30
25	On the character of the optical transitions in closed-shell transition metal oxides doped with $Bi^{3+}$ . Physical Chemistry Chemical Physics, 2017, 19, 2591-2596.	1.3	27
26	Luminescence of $Ca(NbO_3)_2:Pr^{3+}$ at ambient and high hydrostatic pressure. Journal of Luminescence, 2009, 129, 1219-1224.	1.5	25
27	Energy Level Structure of $Bi^{3+}$ in Zircon and Scheelite Polymorphs of $YVO_4$ . Journal of Physical Chemistry C, 2016, 120, 8261-8265.	1.5	25
28	High pressure evolution of $YVO_4:Pr^{3+}$ luminescence. Journal of Physics Condensed Matter, 2009, 21, 105401.	0.7	23
29	Origin of Luminescence in $La_2MoO_6$ and $La_2MoO_9$ and Their Bi-Doped Variants. Inorganic Chemistry, 2020, 59, 3215-3220.	1.9	22
30	Luminescence dynamics in $CaWO_4:Pr^{3+}$ powders and single crystals. Journal of Luminescence, 2016, 169, 450-453.	1.5	21
31	Spectroscopy and excited states dynamics of $Tb^{3+}$ -doped $KLa(MoO_4)_2$ crystals. Optical Materials, 2009, 31, 470-473.	1.7	20
32	Energy levels in $CaWO_4:Tb^{3+}$ at high pressure. Physical Chemistry Chemical Physics, 2015, 17, 32341-32346.	1.3	16
33	Rationalization of the $Pr^{3+}$ -to-transition metal charge transfer model: Application to the luminescence of $Pr^{3+}$ in titano-niobates. Journal of Luminescence, 2019, 214, 116557.	1.5	13
34	Luminescence of $Sb^{3+}$ in closed shell transition metal oxides. Journal of Luminescence, 2019, 208, 394-401.	1.5	12
35	The optical properties of $Bi^{3+}$ and $Sb^{3+}$ in $YNbTiO_6$ analysed by means of DOS and semi-empirical calculations. Journal of Materials Chemistry C, 2020, 8, 2086-2093.	2.7	11
36	Luminescence quenching in $KYb(WO_4)_2:Tb^{3+}$ : An example of temperature-pressure equivalence. Journal of Luminescence, 2017, 191, 18-21.	1.5	10

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37	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
38	The doping sites in Eu <sup>2+</sup> -doped AlBiPO <sub>4</sub> phosphors and their consequence on the photoluminescence excitation spectra. <i>Journal of Solid State Chemistry</i> , 2018, 258, 124-130.	1.4	9
39	Emission Quenching and First Evidence of Tb <sup>3+</sup> -to-As <sup>5+</sup> Charge Transfer in Terbium(III) Ion-Doped YVxAs <sub>1-x</sub> O <sub>4</sub> Solid-State Solution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17364-17371.	1.5	7
40	Spectroscopic investigations of calcium fluoroapatites doped with Bi <sup>3+</sup> . <i>Journal of Luminescence</i> , 2019, 205, 237-242.	1.5	6
41	Pressure-induced luminescence quenching in KY(WO <sub>4</sub> ) <sub>2</sub> :Pr <sup>3+</sup> . <i>Optical Materials</i> , 2017, 74, 41-45.	1.7	5
42	Structural effects on the emission properties of Pr <sup>3+</sup> -doped Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> crystals. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 455404.	1.3	3
43	Influence of down shifting particles on the photochemical behaviour of EVA copolymers. <i>Polymer Degradation and Stability</i> , 2016, 133, 144-151.	2.7	2
44	Luminescence in external dopant-free scandium-phosphorus vanadate solid solution: a spectroscopic and theoretical investigation. <i>Materials Advances</i> , 2020, 1, 2467-2482.	2.6	2
45	(INVITED) Revisiting Duffy's model for Sb <sup>3+</sup> and Bi <sup>3+</sup> in double halide perovskites: Emergence of a descriptor for machine learning. <i>Optical Materials: X</i> , 2021, 11, 100082.	0.3	2
46	Photon management in the photochemical degradation of EVA-calcite composite films. <i>Polymer Degradation and Stability</i> , 2017, 144, 325-330.	2.7	1
47	Luminescence depreciation in ScVO <sub>4</sub> :Bi <sup>3+</sup> upon irradiation in the Bi <sup>3+</sup> -related absorption bands. <i>Journal of Luminescence</i> , 2022, 248, 118941.	1.5	1