

Philippe Boutinaud

List of Publications by Year in descending order

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2,203
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236612

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1569
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Luminescence depreciation in ScVO ₄ :Bi ³⁺ upon irradiation in the Bi ³⁺ -related absorption bands. <i>Journal of Luminescence</i> , 2022, 248, 118941. | 1.5 | 1 |
| 2 | Recent advances and prospects of persistent luminescent materials as inner secondary self-luminous light source for photocatalytic applications. <i>Chemical Engineering Journal</i> , 2021, 403, 126099. | 6.6 | 84 |
| 3 | (INVITED) Revisiting Duffy's model for Sb ³⁺ and Bi ³⁺ in double halide perovskites: Emergence of a descriptor for machine learning. <i>Optical Materials: X</i> , 2021, 11, 100082. | 0.3 | 2 |
| 4 | 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 |
| 5 | The optical properties of Bi ³⁺ and Sb ³⁺ in YNbTiO ₆ analysed by means of DOS and semi-empirical calculations. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2086-2093. | 2.7 | 11 |
| 6 | Emission Quenching and First Evidence of Tb ³⁺ -to-As ⁵⁺ Charge Transfer in Terbium(III) Ion-Doped YVAs _{1-x} O ₄ Solid-State Solution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17364-17371. | 1.5 | 7 |
| 7 | 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 |
| 8 | On the spectroscopy of Bi ³⁺ in d10 post-transition metal oxides. <i>Journal of Luminescence</i> , 2020, 223, 117219. | 1.5 | 30 |
| 9 | Origin of Luminescence in La ₂ MoO ₆ and La ₂ Mo ₂ O ₉ and Their Bi-Doped Variants. <i>Inorganic Chemistry</i> , 2020, 59, 3215-3220. | 1.9 | 22 |
| 10 | Tuning the Bi ³⁺ -photoemission color over the entire visible region by manipulating secondary cations modulation in the ScV _x P _{1-x} O ₄ :Bi ³⁺ (0 ≤ x ≤ 1) solid solution. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9865-9877. | 2.7 | 48 |
| 11 | Rationalization of the Pr ³⁺ -to-transition metal charge transfer model: Application to the luminescence of Pr ³⁺ in titano-niobates. <i>Journal of Luminescence</i> , 2019, 214, 116557. | 1.5 | 13 |
| 12 | Spectroscopic investigations of calcium fluoroapatites doped with Bi ³⁺ . <i>Journal of Luminescence</i> , 2019, 205, 237-242. | 1.5 | 6 |
| 13 | Luminescence of Sb ³⁺ in closed shell transition metal oxides. <i>Journal of Luminescence</i> , 2019, 208, 394-401. | 1.5 | 12 |
| 14 | On the luminescence of Bi ³⁺ pairs in oxidic compounds. <i>Journal of Luminescence</i> , 2018, 197, 228-232. | 1.5 | 38 |
| 15 | The doping sites in Eu ²⁺ -doped AlBiPO ₄ phosphors and their consequence on the photoluminescence excitation spectra. <i>Journal of Solid State Chemistry</i> , 2018, 258, 124-130. | 1.4 | 9 |
| 16 | Novel persistent and tribo-luminescence from bismuth ion pairs doped strontium gallate. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10367-10375. | 2.7 | 49 |
| 17 | Luminescence quenching in KYb(WO ₄) ₂ :Tb ³⁺ : An example of temperature-pressure equivalence. <i>Journal of Luminescence</i> , 2017, 191, 18-21. | 1.5 | 10 |
| 18 | Pressure-induced luminescence quenching in KY(WO ₄) ₂ :Pr ³⁺ . <i>Optical Materials</i> , 2017, 74, 41-45. | 1.7 | 5 |

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|----|---|-----|-----------|
| 19 | On the character of the optical transitions in closed-shell transition metal oxides doped with Bi ³⁺ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2591-2596. | 1.3 | 27 |
| 20 | Photon management in the photochemical degradation of EVA-calcite composite films. <i>Polymer Degradation and Stability</i> , 2017, 144, 325-330. | 2.7 | 1 |
| 21 | Energy Level Structure of Bi ³⁺ in Zircon and Scheelite Polymorphs of YVO ₄ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 8261-8265. | 1.5 | 25 |
| 22 | 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 |
| 23 | Luminescence dynamics in CaWO ₄ :Pr ³⁺ powders and single crystals. <i>Journal of Luminescence</i> , 2016, 169, 450-453. | 1.5 | 21 |
| 24 | Energy levels in CaWO ₄ :Tb ³⁺ at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32341-32346. | 1.3 | 16 |
| 25 | Tunable luminescence of Bi ³⁺ -doped YP _x V _{1-x} O ₄ (0 ≤ x ≤ 1). <i>J. Phys. Chem. C</i> , 2011, 115, 10784-10786. | 0.7 | 36 |
| 26 | Revisiting the Spectroscopy of the Bi ³⁺ Ion in Oxide Compounds. <i>Inorganic Chemistry</i> , 2013, 52, 6028-6038. | 1.9 | 235 |
| 27 | Optical spectroscopy and excited state dynamics of CaMoO ₄ :Pr ³⁺ . <i>Journal of Solid State Chemistry</i> , 2012, 185, 136-142. | 1.4 | 35 |
| 28 | Predicting metal-to-metal charge transfer in closed-shell transition metal oxides doped with Bi ³⁺ or Pb ²⁺ . <i>Chemical Physics Letters</i> , 2011, 503, 239-243. | 1.2 | 69 |
| 29 | Luminescence Dynamics in Tb ³⁺ -Doped CaWO ₄ and CaMoO ₄ Crystals. <i>Inorganic Chemistry</i> , 2010, 49, 4916-4921. | 1.9 | 140 |
| 30 | Charge transfer transitions in the transition metal oxides ABO ₄ :Ln ³⁺ and APO ₄ :Ln ³⁺ (A=La, Gd, Y, Lu). <i>J. Phys. Chem. C</i> , 2009, 113, 10784-10786. | 1.5 | 76 |
| 31 | Intervalence charge transfer in perovskite titanates R _{1/2} Na _{1/2} TiO ₃ :Pr ³⁺ (R=La, Gd, Y, Lu). <i>Journal of Luminescence</i> , 2010, 130, 1725-1729. | 1.5 | 38 |
| 32 | Intervalence charge transfer in Pr ³⁺ - and Tb ³⁺ -doped double tungstate crystals KRE(WO ₄) ₂ (RE=Y, Gd). <i>J. Phys. Chem. C</i> , 2009, 113, 10784-10786. | 1.7 | 47 |
| 33 | Lanthanide level location in transition metal complex compounds. <i>Optical Materials</i> , 2010, 32, 1681-1685. | 1.7 | 136 |
| 34 | Structural effects on the emission properties of Pr ³⁺ -doped Ba ₂ NaNb ₅ O ₁₅ crystals. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 455404. | 1.3 | 3 |
| 35 | High pressure evolution of YVO ₄ :Pr ³⁺ luminescence. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 105401. | 0.7 | 23 |
| 36 | Spectroscopy and excited states dynamics of Tb ³⁺ -doped KLa(MoO ₄) ₂ crystals. <i>Optical Materials</i> , 2009, 31, 470-473. | 1.7 | 20 |

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|----|--|-----|-----------|
| 37 | Luminescence of $\text{Ca}(\text{NbO}_3)_2:\text{Pr}^{3+}$ at ambient and high hydrostatic pressure. <i>Journal of Luminescence</i> , 2009, 129, 1219-1224. | 1.5 | 25 |
| 38 | Lanthanide 4f-level location in $\text{AVO}_4:\text{Ln}^{3+}$ ($A = \text{La, Gd, Lu}$) crystals. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 115503. | 0.7 | 65 |
| 39 | $\text{NaNbO}_3:\text{Pr}^{3+}$: a new red phosphor showing persistent luminescence. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 025901. | 0.7 | 44 |
| 40 | The excited state dynamics of $\text{KLa}(\text{MoO}_4)_2:\text{Pr}^{3+}$: From a case study to the determination of the energy levels of rare earth impurities relative to the bandgap in oxidising host lattices. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1025-1031. | 1.4 | 34 |
| 41 | Emission quenching induced by intervalence charge transfer in Pr^{3+} - or Tb^{3+} -doped YNbO_4 and CaNb_2O_6 . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 386230. | 0.7 | 97 |
| 42 | Red luminescence induced by intervalence charge transfer in Pr^{3+} -doped compounds. <i>Journal of Luminescence</i> , 2007, 122-123, 430-433. | 1.5 | 111 |
| 43 | Quenching of Lanthanide Emission by Intervalence Charge Transfer in Crystals Containing Closed Shell Transition Metal Ions. <i>Spectroscopy Letters</i> , 2007, 40, 209-220. | 0.5 | 58 |
| 44 | Luminescence properties of Pr^{3+} in titanates and vanadates: Towards a criterion to predict 3PO emission quenching. <i>Chemical Physics Letters</i> , 2006, 418, 185-188. | 1.2 | 77 |
| 45 | Making red emitting phosphors with Pr^{3+} . <i>Optical Materials</i> , 2006, 28, 9-13. | 1.7 | 148 |
| 46 | UV-to-red relaxation pathways in $\text{CaTiO}_3:\text{Pr}^{3+}$. <i>Journal of Luminescence</i> , 2005, 111, 69-80. | 1.5 | 176 |
| 47 | Anti-Stokes luminescence and site selectivity in $\text{La}_2\text{Ti}_2\text{O}_7:\text{Pr}^{3+}$. <i>Journal of Alloys and Compounds</i> , 2002, 341, 139-143. | 2.8 | 58 |