

Irene Carrasco Ruiz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Systematic Analysis of the Crystal Chemistry and Eu ³⁺ Spectroscopy along the Series of Double Perovskites Ca ₂ LnSbO ₆ (Ln = La, Eu, Gd, Lu, and Y). Inorganic Chemistry, 2021, 60, 8259-8266.	4.0	15
2	Photoluminescence Properties and Fabrication of Red-Emitting LEDs based on Ca ₉ Eu(VO ₄) ₇ Phosphor. ECS Journal of Solid State Science and Technology, 2020, 9, 016004.	1.8	9
3	Super-Quadratic Upconversion Luminescence among Lanthanide Ions. , 2019, , .		1
4	Emergent room temperature polar phase in CaTiO ₃ nanoparticles and single crystals. APL Materials, 2019, 7, .	5.1	10
5	Dynamics of Charges in Superlong Blacklight-Emitting CaB ₂ O ₄ :Ce ³⁺ Persistent Phosphor. Journal of Physical Chemistry C, 2019, 123, 14639-14646.	3.1	17
6	Super-quadratic upconversion luminescence among lanthanide ions. Optics Express, 2019, 27, 33217.	3.4	4
7	Competition between Energy Transfer and Energy Migration Processes in Neat and Eu ³⁺ -Doped TbPO ₄ . Journal of Physical Chemistry C, 2018, 122, 6858-6864.	3.1	19
8	Weak thermal quenching of the luminescence in the Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce ³⁺ garnet phosphor. Journal of Materials Chemistry C, 2018, 6, 8923-8933.	5.5	64
9	Disorder-Induced Breaking of the Local Inversion Symmetry in Rhombohedral Pyrochlores M ₂ La ₃ Sb ₃ O ₁₄ (M = Mg or Ca): A Structural and Spectroscopic Investigation. Inorganic Chemistry, 2018, 57, 9241-9250.	4.0	13
10	Influence of Ce ³⁺ Concentration on the Thermal Stability and Charge-Trapping Dynamics in the Green Emitting Phosphor CaSc ₂ O ₄ :Ce ³⁺ . Journal of Physical Chemistry C, 2017, 121, 23096-23103.	3.1	24
11	Optical Spectroscopy of Ca ₉ Tb ^x Eu ^x (PO ₄) ₇ (x = 0, 0.1, 1): Weak Donor Energy Migration in the Whitlockite Structure. Journal of Physical Chemistry C, 2017, 121, 16943-16950.	3.1	23
12	Structural effects and 5d ¹ 4f emission transition shifts induced by Y co-doping in Pr-doped K ₃ Lu ^{1-x} Y(PO ₄) ₂ . Journal of Luminescence, 2017, 189, 113-119.	3.1	16
13	Luminescence of Tb-based materials doped with Eu ³⁺ : case studies for energy transfer processes. Journal of Luminescence, 2017, 189, 71-77.	3.1	34
14	Structural and spectroscopic features of Ca ₉ M(PO ₄) ₇ (M = Al ³⁺ , Lu ³⁺) whitlockites doped with Pr ³⁺ ions. Journal of Alloys and Compounds, 2016, 672, 45-51.	5.5	18
15	Energy transfer processes in Ca ₃ Tb ^x Eu _x Si ₃ O ₁₂ (x = 0-2). Optical Materials, 2015, 48, 252-257.	3.6	9
16	BaMgF ₄ : An Ultra-Transparent Two-Dimensional Nonlinear Photonic Crystal with Strong $\chi^{(3)}$ Response in the UV Spectral Region. Advanced Functional Materials, 2014, 24, 1509-1518.	14.9	36