Irene Carrasco Ruiz

List of Publications by Year
in descending order

16	312	840776 11	996975 15
papers	citations	h-index	g-index

16	16	16	487
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Weak thermal quenching of the luminescence in the Ca₃Sc₂Si₃O₁₂:Ce³⁺garnet phosphor. Journal of Materials Chemistry C, 2018, 6, 8923-8933.	5.5	64
2	BaMgF₄: An Ultraâ€Transparent Twoâ€Dimensional Nonlinear Photonic Crystal with Strong Ï‡⁽³⁾ Response in the UV Spectral Region. Advanced Functional Materials, 2014, 24, 1509-1518.	14.9	36
3	Luminescence of Tb-based materials doped with Eu3+: case studies for energy transfer processes. Journal of Luminescence, 2017, 189, 71-77.	3.1	34
4	Influence of Ce³⁺ Concentration on the Thermal Stability and Charge-Trapping Dynamics in the Green Emitting Phosphor CaSc₂O₄:Ce³⁺. Journal of Physical Chemistry C, 2017, 121, 23096-23103.	3.1	24
5	Optical Spectroscopy of Ca₉Tb_{1â€“x}Eu_x(PO₄)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
6	Competition between Energy Transfer and Energy Migration Processes in Neat and Eu³⁺-Doped TbPO₄. Journal of Physical Chemistry C, 2018, 122, 6858-6864.	3.1	19
7	Structural and spectroscopic features of Ca9M(PO4)7 (MÂ=ÂAl3+, Lu3+) whitlockites doped with Pr3+ ions. Journal of Alloys and Compounds, 2016, 672, 45-51.	5.5	18
8	Dynamics of Charges in Superlong Blacklight-Emitting CaB₂O₄:Ce³⁺ Persistent Phosphor. Journal of Physical Chemistry C, 2019, 123, 14639-14646.	3.1	17
9	Structural effects and 5dâ†'4f emission transition shifts induced by Y co-doping in Pr-doped K3Lu1âˆ'Y (PO4)2. Journal of Luminescence, 2017, 189, 113-119.	3.1	16
10	Systematic Analysis of the Crystal Chemistry and Eu³⁺ Spectroscopy along the Series of Double Perovskites Ca₂LnSbO₆ (Ln = La, Eu, Gd, Lu, and Y). Inorganic Chemistry, 2021, 60, 8259-8266.	4.0	15
11	Disorder-Induced Breaking of the Local Inversion Symmetry in Rhombohedral Pyrochlores M₂La₃Sb₃O₁₄ (M = Mg or Ca): A Structural and Spectroscopic Investigation. Inorganic Chemistry, 2018, 57, 9241-9250.	4.0	13
12	Emergent room temperature polar phase in CaTiO3 nanoparticles and single crystals. APL Materials, 2019, 7, .	5.1	10
13	Energy transfer processes in Ca3Tb2âˆ'xEuxSi3O12 (x=0â€“2). Optical Materials, 2015, 48, 252-257.	3.6	9
14	Photoluminescence Properties and Fabrication of Red-Emitting LEDs based on Ca₉Eu(VO₄)₇ Phosphor. ECS Journal of Solid State Science and Technology, 2020, 9, 016004.	1.8	9
15	Super-quadratic upconversion luminescence among lanthanide ions. Optics Express, 2019, 27, 33217.	3.4	4
16	Super-Quadratic Upconversion Luminescence among Lanthanide Ions. , 2019, , .		1