

Virginia Monteseuro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

241
citations

9
h-index

15
g-index

20
ext. papers

286
ext. citations

4.1
avg, IF

2.88
L-index

#	Paper	IF	Citations
19	Synthesis, structure and luminescence of Er ³⁺ -doped Y ₃ Ga ₅ O ₁₂ nano-garnets. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13788		49
18	In situ characterization of the high pressure - high temperature melting curve of platinum. <i>Scientific Reports</i> , 2019 , 9, 13034	4.9	44
17	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13177-13185	3.8	30
16	Optical nanothermometer based on the calibration of the Stokes and upconverted green emissions of Er ³⁺ ions in Y ₃ Ga ₅ O ₁₂ nano-garnets. <i>RSC Advances</i> , 2014 , 4, 57691-57701	3.7	21
15	Optimizing white light luminescence in Dy ³⁺ -doped Lu ₃ Ga ₅ O ₁₂ nano-garnets. <i>Journal of Applied Physics</i> , 2014 , 116, 174308	2.5	19
14	Lanthanide-doped Y ₃ Ga ₅ O ₁₂ garnets for nanoheating and nanothermometry in the first biological window. <i>Optical Materials</i> , 2018 , 84, 46-51	3.3	18
13	Electronic and elastic properties of yttrium gallium garnet under pressure from ab initio studies. <i>Journal of Applied Physics</i> , 2013 , 113, 183505	2.5	13
12	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 9454-64	3.6	12
11	Structural Characterization of Auophilic Gold(I) Iodide under High Pressure. <i>Inorganic Chemistry</i> , 2019 , 58, 10665-10670	5.1	9
10	High pressure theoretical and experimental analysis of the bandgap of BaMoO ₄ , PbMoO ₄ , and CdMoO ₄ . <i>Applied Physics Letters</i> , 2019 , 115, 012102	3.4	8
9	Phase stability and electronic structure of iridium metal at the megabar range. <i>Scientific Reports</i> , 2019 , 9, 8940	4.9	7
8	Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. <i>Scientific Reports</i> , 2019 , 9, 14459	4.9	2
7	Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of $\text{E}^{\text{II}}\text{B}_2\text{O}_6$. <i>Dalton Transactions</i> , 2021 , 50, 5493-5505	4.3	2
6	Reversible Tuning of Ca Nanoparticles Embedded in a Superionic CaF ₂ Matrix. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19945-19951	3.8	1
5	Interplay between local structure, vibrational and electronic properties on CuO under pressure. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24299-24309	3.6	1
4	Comment on "Mechanisms for Pressure-Induced Isostructural Phase Transitions in EuO".. <i>Physical Review Letters</i> , 2022 , 128, 099701	7.4	1
3	Stokes and upconverted luminescence in Er/Yb-doped YGaO nano-garnets. <i>Dalton Transactions</i> , 2021 , 50, 9512-9518	4.3	0

- 2 Pressure-induced amorphization of the Y₃Ga₅O₁₂ garnet studied to 1 Mbar. *Journal of Alloys and Compounds*, **2020**, 830, 154678 5.7
- 1 Crystal-field mediated electronic transitions of EuS up to 35 GPa.. *Scientific Reports*, **2022**, 12, 1217 4.9