

Virginia Monteseuro

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

352
citations

840728

11
h-index

839512

18
g-index

20
all docs

20
docs citations

20
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ characterization of the high pressure "high temperature melting curve of platinum. Scientific Reports, 2019, 9, 13034.	3.3	65
2	Synthesis, structure and luminescence of Er ³⁺ -doped Y ₃ Ga ₅ O ₁₂ nano-garnets. Journal of Materials Chemistry, 2012, 22, 13788.	6.7	62
3	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. Journal of Physical Chemistry C, 2014, 118, 13177-13185.	3.1	33
4	Lanthanide-doped Y ₃ Ga ₅ O ₁₂ garnets for nanoheating and nanothermometry in the first biological window. Optical Materials, 2018, 84, 46-51.	3.6	25
5	Optimizing white light luminescence in Dy ³⁺ -doped Lu ₃ Ga ₅ O ₁₂ nano-garnets. Journal of Applied Physics, 2014, 116, .	2.5	24
6	High pressure theoretical and experimental analysis of the bandgap of BaMoO ₄ , PbMoO ₄ , and CdMoO ₄ . Applied Physics Letters, 2019, 115, .	3.3	24
7	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. RSC Advances, 2014, 4, 57691-57701.	3.6	22
8	Electronic and elastic properties of yttrium gallium garnet under pressure from ab initio studies. Journal of Applied Physics, 2013, 113, 183505.	2.5	19
9	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. Physical Chemistry Chemical Physics, 2015, 17, 9454-9464.	2.8	17
10	Phase stability and electronic structure of iridium metal at the megabar range. Scientific Reports, 2019, 9, 8940.	3.3	17
11	Structural Characterization of Auophilic Gold(I) Iodide under High Pressure. Inorganic Chemistry, 2019, 58, 10665-10670.	4.0	15
12	Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. Scientific Reports, 2019, 9, 14459.	3.3	8
13	Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of Ir ₂ Sb ₂ O ₃ . Dalton Transactions, 2021, 50, 5493-5505.	3.3	7
14	Stokes and upconverted luminescence in Er ³⁺ /Yb ³⁺ -doped Y ₃ Ga ₅ O ₁₂ nano-garnets. Dalton Transactions, 2021, 50, 9512-9518.	3.3	5
15	Interplay between local structure, vibrational and electronic properties on CuO under pressure. Physical Chemistry Chemical Physics, 2020, 22, 24299-24309.	2.8	3
16	Reversible Tuning of Ca Nanoparticles Embedded in a Superionic CaF ₂ Matrix. Journal of Physical Chemistry C, 2019, 123, 19945-19951.	3.1	1
17	Comment on "Mechanisms for Pressure-Induced Isostructural Phase Transitions in EuO". Physical Review Letters, 2022, 128, 099701.	7.8	1
18	Pressure-induced amorphization of the Y ₃ Ga ₅ O ₁₂ garnet studied to 1 ÅMbar. Journal of Alloys and Compounds, 2020, 830, 154678.	5.5	0

#	ARTICLE	IF	CITATIONS
19	Crystal-field mediated electronic transitions of EuS up to 35 GPa. Scientific Reports, 2022, 12, 1217.	3.3	0