

# Virginia Monteseuro

## List of Publications by Year in Descending Order

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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	Crystal-field mediated electronic transitions of EuS up to 35 GPa.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1217	4.9	
18	Comment on "Mechanisms for Pressure-Induced Isostructural Phase Transitions in EuO".. <i>Physical Review Letters</i> , <b>2022</b> , 128, 099701	7.4	1
17	Stokes and upconverted luminescence in Er/Yb-doped YGaO nano-garnets. <i>Dalton Transactions</i> , <b>2021</b> , 50, 9512-9518	4.3	0
16	Unveiling the role of the lone electron pair in sesquioxides at high pressure: compressibility of $\text{Er}_2\text{O}_3$ . <i>Dalton Transactions</i> , <b>2021</b> , 50, 5493-5505	4.3	2
15	Pressure-induced amorphization of the $\text{Y}_3\text{Ga}_5\text{O}_{12}$ garnet studied to 1 Mbar. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 830, 154678	5.7	
14	Interplay between local structure, vibrational and electronic properties on CuO under pressure. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 24299-24309	3.6	1
13	In situ characterization of the high pressure - high temperature melting curve of platinum. <i>Scientific Reports</i> , <b>2019</b> , 9, 13034	4.9	44
12	Structural Characterization of Auophilic Gold(I) Iodide under High Pressure. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 10665-10670	5.1	9
11	Reversible Tuning of Ca Nanoparticles Embedded in a Superionic $\text{CaF}_2$ Matrix. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 19945-19951	3.8	1
10	High pressure theoretical and experimental analysis of the bandgap of $\text{BaMoO}_4$ , $\text{PbMoO}_4$ , and $\text{CdMoO}_4$ . <i>Applied Physics Letters</i> , <b>2019</b> , 115, 012102	3.4	8
9	Phase stability and electronic structure of iridium metal at the megabar range. <i>Scientific Reports</i> , <b>2019</b> , 9, 8940	4.9	7
8	Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. <i>Scientific Reports</i> , <b>2019</b> , 9, 14459	4.9	2
7	Lanthanide-doped $\text{Y}_3\text{Ga}_5\text{O}_{12}$ garnets for nanoheating and nanothermometry in the first biological window. <i>Optical Materials</i> , <b>2018</b> , 84, 46-51	3.3	18
6	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 9454-64	3.6	12
5	Optical nanothermometer based on the calibration of the Stokes and upconverted green emissions of $\text{Er}^{3+}$ ions in $\text{Y}_3\text{Ga}_5\text{O}_{12}$ nano-garnets. <i>RSC Advances</i> , <b>2014</b> , 4, 57691-57701	3.7	21
4	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 13177-13185	3.8	30
3	Optimizing white light luminescence in $\text{Dy}^{3+}$ -doped $\text{Lu}_3\text{Ga}_5\text{O}_{12}$ nano-garnets. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 174308	2.5	19

- 2 Electronic and elastic properties of yttrium gallium garnet under pressure from ab initio studies. *Journal of Applied Physics*, **2013**, 113, 183505 2.5 13
- 1 Synthesis, structure and luminescence of Er<sup>3+</sup>-doped Y<sub>3</sub>Ga<sub>5</sub>O<sub>12</sub> nano-garnets. *Journal of Materials Chemistry*, **2012**, 22, 13788 49