

# Veronica Granata

## List of Publications by Citations

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40  
papers

326  
citations

12  
h-index

16  
g-index

45  
ext. papers

506  
ext. citations

4.9  
avg, IF

3  
L-index

#	Paper	IF	Citations
40	Hallmarks of Hund's coupling in the Mott insulator CaRuO <sub>4</sub> . <i>Nature Communications</i> , <b>2017</b> , 8, 15176	17.4	42
39	Synergistic effect of divalent cations in improving technological properties of cross-linked alginate beads. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 100-106	7.9	31
38	Spin-Orbital Excitations in Ca <sub>2</sub> RuO <sub>4</sub> Revealed by Resonant Inelastic X-Ray Scattering. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	19
37	Spin-orbital nature of the high-field magnetic state in the Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	18
36	Double metamagnetic transition in Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	18
35	Quantum Backaction on kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 131101	7.4	17
34	Magnetic anisotropy and orbital ordering in Ca <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	17
33	Water Resistant Self-Extinguishing Low Frequency Soundproofing Polyvinylpyrrolidone Based Electrospun Blankets. <i>Polymers</i> , <b>2019</b> , 11,	4.5	15
32	Magnetotransport of dirty-limit van Hove singularity quasiparticles. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	15
31	Neutron diffraction study of triple-layered Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 056004	1.8	12
30	Anisotropic optical conductivity of Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	12
29	NR studies of superconductivity in eutectically grown mixed ruthenates. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	12
28	Bistable Abrikosov vortex diode made of a Py/Nb ferromagnet-superconductor bilayer structure. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 242504	3.4	11
27	Femtosecond laser surface irradiation of silicon in air: Pulse repetition rate influence on crater features and surface texture. <i>Optics and Laser Technology</i> , <b>2020</b> , 126, 106073	4.2	9
26	Emergence of a metallic metastable phase induced by electrical current in Ca <sub>2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	9
25	Orbitally selective breakdown of Fermi liquid quasiparticles in Ca <sub>1.8</sub> Sr <sub>0.2</sub> RuO <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	8
24	Dilatometric study of the metamagnetic and ferromagnetic phases in the triple-layered Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> system. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	7

23	Missing magnetism in SrRuO: Indication for Antisymmetric Exchange Interaction. <i>Scientific Reports</i> , <b>2017</b> , 7, 3867	4.9	7
22	Floating zone growth of eutectic $\text{Sr}_{n+1}\text{Ru}_n\text{O}_{3n+1}$ crystals. <i>Crystal Research and Technology</i> , <b>2011</b> , 46, 769-772	1.3	6
21	Crystal growth and characterization of the non-centrosymmetric antiferromagnet $\text{Ba}_2\text{CuGe}_2\text{O}_7$ . <i>Journal of Crystal Growth</i> , <b>2014</b> , 404, 223-230	1.6	5
20	Emergence and Evolution of Crystallization in TiO Thin Films: A Structural and Morphological Study. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
19	Electronic bands and optical conductivity of the Dzyaloshinsky-Moriya multiferroic $\text{Ba}_2\text{CuGe}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
18	Pseudo spin-valves with Al or Nb as spacer layer: GMR and search for spin switch behaviour. <i>European Physical Journal B</i> , <b>2007</b> , 60, 61-66	1.2	3
17	Electronic reconstruction forming a C2-symmetric Dirac semimetal in $\text{Ca}_3\text{Ru}_2\text{O}_7$ . <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	3
16	NbReN: A disordered superconductor in thin film form for potential application as superconducting nanowire single photon detector. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	3
15	In-depth study of the $\text{H}^{\text{III}}$ phase diagram of $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ by magnetization experiments. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 536, 634-636	2.8	2
14	Effect of different atmospheres on the synthesis of $\text{Ba}_2\text{CuGe}_2\text{O}_7$ single crystals. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 703-712	2.3	2
13	Synthesis and characterization of mixed melilite-type oxides. <i>Journal of Crystal Growth</i> , <b>2017</b> , 457, 128-136	1.6	2
12	Does the deoxyribonucleic acid shape dictate its conductivity?. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 102045	2.5	2
11	Superconducting behaviour via percolation in $\text{Sr}_2\text{RuO}_4$ - $\text{Sr}_3\text{Ru}_2\text{O}_7$ eutectic crystals. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052056	0.3	2
10	Effect of the substrate on the electrical transport and fluctuation processes in NbRe and NbReN ultrathin films for superconducting electronics applications.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1573	4.9	2
9	Unveiling unconventional magnetism at the surface of SrRuO. <i>Nature Communications</i> , <b>2021</b> , 12, 5792	17.4	2
8	Hexagonal rotator order of bound ionic surfactants and temperature triggered dispersion of carbon nanotubes. <i>Carbon</i> , <b>2018</b> , 127, 228-235	10.4	2
7	Crystal growth of the $\text{Ca}_2\text{RuO}_4$ -Ru metal system by the floating-zone technique. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 832, 154890	5.7	1
6	Resonant inelastic x-ray scattering study of $\text{Ca}_3\text{Ru}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	1

5	Magnetic-Field Tunable Intertwined Checkerboard Charge Order and Nematicity in the Surface Layer of Sr RuO. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100593	24	1
4	Fermi surface and kink structures in [Formula: see text] revealed by synchrotron-based ARPES. <i>Scientific Reports</i> , <b>2020</b> , 10, 21062	4.9	0
3	Superconductivity and functional oxides. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 228, 625-629	2.3	
2	Spin polarized electron transport in a superconductor/ferromagnet junction with intermediate barrier strength. <i>Superconductor Science and Technology</i> , <b>2006</b> , 19, 1191-1195	3.1	
1	Layer dependent antiferromagnetism in the Sr <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> ruthenate at the metamagnetic-like transition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 493, 165698	2.8	