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List of Publications by Year
in descending order

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45	544	759233 12	713466 21
papers	citations	h-index	g-index

45	45	45	709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic Structure and Lattice Dynamics of CoSb₃ Skutterudite-Based Thermoelectrics. Chemistry of Materials, 2022, 34, 1213-1224.	6.7	9
2	The structural evolution, optical gap, and thermoelectric properties of the RbPb₂Br₅ layered halide, prepared by mechanochemistry. Journal of Materials Chemistry C, 2022, 10, 6857-6865.	5.5	4
3	Detailed Structural Features of the Perovskite-Related Halide RbPbI₃ for Solar Cell Applications. Inorganic Chemistry, 2022, 61, 5502-5511.	4.0	7
4	Combining Raman spectroscopy and synchrotron Xâ€ray diffraction to unveil the order types in A₃CaNb₂O₉ (Aâ€‰=â€‰Ba, Sr) complex perovskites. Journal of Raman Spectroscopy, 2022, 53, 1333-1341.	2.5	2
5	Thermal annealing of natural rubber films controls wettability and enhances cytocompatibility. Surfaces and Interfaces, 2022, 31, 102048.	3.0	2
6	Metastable Materials Accessed under Moderate Pressure Conditions (P â‰ 3.5 GPa) in a Piston-Cylinder Press. Materials, 2021, 14, 1946.	2.9	8
7	Surface Wettability of a Natural Rubber Composite under Stretching: A Model to Predict Cell Survival. Langmuir, 2021, 37, 4639-4646.	3.5	4
8	Unveiling the Structural Behavior under Pressure of Filled M_{0.5}Co₄Sb₁₂ (M = K, Sr, La, Ce, and Yb) Thermoelectric Skutterudites. Inorganic Chemistry, 2021, 60, 7413-7421.	4.0	8
9	Integrating van der Waals materials on paper substrates for electrical and optical applications. Applied Materials Today, 2021, 23, 101012.	4.3	9
10	Stability and equation of state of face-centered cubic and hexagonal close packed phases of argon under pressure. Scientific Reports, 2021, 11, 15192.	3.3	10
11	Monocrystalline fiber growth technique: New critical radius considerations. Journal of Crystal Growth, 2021, 570, 126199.	1.5	0
12	Synergy of diffraction and spectroscopic techniques to unveil the crystal structure of antimonic acid. Scientific Reports, 2021, 11, 17763.	3.3	4
13	Experimental and Theoretical Investigations on the Structural, Electronic, and Vibrational Properties of Cs₂AgSbCl₆ Double Perovskite. Industrial & Engineering Chemistry Research, 2021, 60, 18918-18928.	3.7	26
14	Crystal and electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> spinel under pressure probed by XANES and Raman spectroscopy. Physical Review B, 2021, 103, .	3.2	8
15	Unveiling the infrared complex dielectric function of ilmenite CdTiO3. Journal of Alloys and Compounds, 2020, 813, 152136.	5.5	6
16	Divalent chromium in the octahedral positions of the novel hybrid perovskites CH3NH3Pb1-Cr (Br,Cl)3 (xÂ= 0.25, 0.5): Induction of narrow bands inside the bandgap. Journal of Alloys and Compounds, 2020, 821, 153414.	5.5	11
17	Structural Features, Anisotropic Thermal Expansion, and Thermoelectric Performance in Bulk Black Phosphorus Synthesized under High Pressure. Inorganic Chemistry, 2020, 59, 14932-14943.	4.0	12
18	A comprehensive examination of the local- and long-range structure of Sb6O13 pyrochlore oxide. Scientific Reports, 2020, 10, 16956.	3.3	9

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19	High-Performance n-type SnSe Thermoelectric Polycrystal Prepared by Arc-Melting. Cell Reports Physical Science, 2020, 1, 100263.	5.6	23
20	Optical phonon modes in 1:2 ordered trigonal Ba 3 MgNb 2 O 9 perovskite: Synergy of both classical and quantum methods. Journal of Raman Spectroscopy, 2020, 51, 1219-1229.	2.5	2
21	Enhanced stability in CH3NH3PbI3 hybrid perovskite from mechano-chemical synthesis: structural, microstructural and optoelectronic characterization. Scientific Reports, 2020, 10, 11228.	3.3	19
22	Unveiling the Correlation between the Crystalline Structure of Mâ€Filled CoSb₃ (M = Y, K,) Tj ETQq0 0 0 rgBT /Overlock 10 2020, 30, 2001651.	14.9	31
23	Innovative Design for the Enhancement of Lithium Lanthanum Titanate Electrolytes. Crystal Growth and Design, 2019, 19, 4897-4901.	3.0	8
24	Improved Visible Light Photoactivity of CuBi₂O₄/CuO Heterojunctions for Photodegradation of Methylene Blue and Metronidazole. Journal of Physical Chemistry C, 2019, 123, 25680-25690.	3.1	85
25	Spin-phonon coupling in uniaxial anisotropic spin-glass based on Fe2TiO5 pseudobrookite. Journal of Alloys and Compounds, 2019, 799, 563-572.	5.5	20
26	Thermal expansion, compressibility and bulk modulus of ilmenite-type CoTiO3: X-ray diffraction at high pressures and temperatures. Solid State Sciences, 2019, 88, 1-5.	3.2	5
27	Towards the production of natural rubber-calcium phosphate hybrid for applications as bioactive coatings. Materials Science and Engineering C, 2019, 94, 417-425.	7.3	8
28	Theoretical methods for calculations of optical phonons in BiOBr: Analysis and correction of propagated errors. Journal of Raman Spectroscopy, 2018, 49, 1356-1363.	2.5	31
29	Dielectric and Magnetic Properties of Ni Pb1-TiO3 Solid Solution and Composite: Coexistence of Ferroelectric and Antiferromagnetic Order. Journal of Alloys and Compounds, 2018, 739, 600-606.	5.5	3
30	Blocking effect in promising proton conductors based on Ba 3 Ca 1.18 Nb 1.82-x R x O 9-Î´ (R = Y 3+ , Gd 3+) Tj ETQq0 0 0 rgBT /Overlo	4.8	12
31	The Role of Nb Addition in TiO2 Nanoparticles: Phase Transition and Photocatalytic Properties (Phys.) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	1
32	First-principles calculations and Raman scattering evidence for local symmetry lowering in rhombohedral ilmenite: temperature- and pressure-dependent studies. Journal of Physics Condensed Matter, 2018, 30, 485401.	1.8	13
33	Combining XRD and Raman spectroscopy techniques to probe the solid solution and composite forms of Pb1-xCoxTiO3 systems. Materials Research Bulletin, 2018, 107, 462-467.	5.2	9
34	The Role of Nb Addition in TiO₂ Nanoparticles: Phase Transition and Photocatalytic Properties. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800321.	1.8	7
35	Calculation of the optical phonons in ordered Ba₂MgWO₆ perovskite using shortâ€range force field model. Journal of Raman Spectroscopy, 2018, 49, 1822-1829.	2.5	16
36	Structural, vibrational and morphological properties of layered double hydroxides containing Ni2+, Zn2+, Al3+ and Zr4+ cations. Materials Characterization, 2017, 125, 29-36.	4.4	22

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37	Raman signatures of monoclinic distortion in (Ba_{1â”x}Sr_x)₃CaNb₂O₉ complex perovskites. Journal of Raman Spectroscopy, 2017, 48, 1243-1249.	2.5	9
38	Ordering effect on the electrical properties of stoichiometric Ba3CaNb2O9-based perovskite ceramics. Ceramics International, 2017, 43, 14015-14022.	4.8	8
39	Structural ordering and dielectric properties of Ba3CaNb2O9-based microwave ceramics. Ceramics International, 2016, 42, 18087-18093.	4.8	25
40	Ordered Complex Perovskites to the Carbon Monoxide Oxidation Reaction. Revista Virtual De Quimica, 2015, 7, 2049-2065.	0.4	0
41	Synthesis and structural ordering of nano-sized Ba3Bâ€²Nb2O9 (Bâ€² = Ca and Zn) powders. Ceramics International, 2014, 40, 5921-5930.	4.8	10
42	Resonance Raman spectroscopy of NdAlO3 single-crystal fibers grown by the laser-heated pedestal growth technique. Vibrational Spectroscopy, 2014, 73, 144-149.	2.2	9
43	Probing phase formation and structural ordering in Ba3ZnNb2O9 films using confocal Raman microscopy. Vibrational Spectroscopy, 2014, 72, 8-14.	2.2	3
44	Ordering and phonons in Ba3CaNb2O9 complex perovskite. Materials Research Bulletin, 2013, 48, 3298-3303.	5.2	20
45	Relaxations in Ba2BiTaO6 ceramics investigated by impedance and electric modulus spectroscopies. Materials Research Bulletin, 2012, 47, 878-882.	5.2	6