

Francesco Mezzadri

List of Publications by Year in descending order

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61
papers

1,359
citations

430874

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361022

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docs citations

65
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	The real structure of $\hat{\mu}$ -Ga ₂ O ₃ and its relation to $\hat{\nu}$ -phase. CrystEngComm, 2017, 19, 1509-1516.	2.6	227
2	Crystal Structure and Ferroelectric Properties of $\hat{\mu}$ -Ga ₂ O ₃ Films Grown on (0001)-Sapphire. Inorganic Chemistry, 2016, 55, 12079-12084.	4.0	191
3	Thermal stability of $\hat{\mu}$ -Ga ₂ O ₃ polymorph. Acta Materialia, 2017, 140, 411-416.	7.9	84
4	Influence of Anions in Silver Supramolecular Frameworks: Structural Characteristics and Sorption Properties.. Journal of the American Chemical Society, 2012, 134, 9142-9145.	13.7	52
5	Role of the substrates in the ribbon orientation of Sb ₂ Se ₃ films grown by Low-Temperature Pulsed Electron Deposition. Solar Energy Materials and Solar Cells, 2020, 218, 110724.	6.2	50
6	Thermal expansion coefficients of $\hat{\nu}$ -Ga ₂ O ₃ single crystals. Applied Physics Express, 2015, 8, 111101.	2.4	49
7	Porous Molecular Crystals by Macrocyclic Coordination Supramolecules. Journal of the American Chemical Society, 2014, 136, 14883-14895.	13.7	48
8	Synthesis and characterization of multiferroic BiMn_7Mn_5 Physical Review B, 2009, 79, .	3.2	45
9	Tunable luminescence of Bi ³⁺ -doped YP _x V _{1-x} O ₄ (0 ≤ x ≤ 1) Tj $\frac{1.8}{36}$ $\frac{0.784314}{36}$	1.8	36
10	Tunable luminescence and energy transfer properties in YPO ₄ :Tb ³⁺ , Eu ³⁺ /Tb ³⁺ phosphors. Journal of Luminescence, 2018, 194, 96-101.	3.1	34
11	Two New Polymorphs of the Organic Semiconductor 9,10-Diphenylanthracene: Raman and X-ray Analysis. Journal of Physical Chemistry C, 2016, 120, 1831-1840.	3.1	29
12	All-Inorganic CsPbBr ₃ Perovskite Films Prepared by Single Source Thermal Ablation. Frontiers in Chemistry, 2020, 8, 313.	3.6	28
13	High-pressure synthesis and characterization of PrMn_7Mn_6 Physical Review B, 2009, 79, .	3.2	26
14	Structural properties and multiferroic phase diagram of $\text{KMn}_0.6\text{Mn}_0.5\text{O}$ Physical Review B, 2008, 78, .	3.2	25
15	$\text{Mn}_0.5\text{O}$	3.2	24
16	Low-temperature growth of single-crystal Cu(In,Ga)Se ₂ films by pulsed electron deposition technique. Solar Energy Materials and Solar Cells, 2015, 133, 82-86.	6.2	23
17	The structure of (Ca,Co)CoSi ₂ O ₆ pyroxenes and the Ca-M ₂ ⁺ substitution in (Ca,M ₂ ⁺)M ₂ Si ₂ O ₆ pyroxenes (M ₂ ⁺ = Co, Fe, Mg). American Mineralogist, 2013, 98, 1241-1252.	1.9	21
18	Effects of exchanging the wheels on the inclusion properties in metal-organic diols. CrystEngComm, 2008, 10, 1916.	2.6	19

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19	Y(P,V)O ₄ :Dy ³⁺ phosphors for white light generation: Emission dynamics and host effect. Journal of Solid State Chemistry, 2011, 184, 1843-1849.	2.9	18
20	Poling-Written Ferroelectricity in Bulk Multiferroic Double-Perovskite BiFe _{0.5} Mn _{0.5} O ₃ . Inorganic Chemistry, 2016, 55, 6308-6314.	4.0	18
21	Structural and Electric Evidence of Ferrielectric State in Pb ₂ MnWO ₆ Double Perovskite System. Inorganic Chemistry, 2014, 53, 10283-10290.	4.0	16
22	Polymorphism and Multiferroicity in Bi ^{x/3} (Mn ^{III}) ₃ (Mn ^{III} â€“xMn ^{IV})O ₁₂ . Chemistry of Materials, 2011, 23, 3628-3635.	6.7	15
23	Magnetolectric coupling driven by inverse magnetostriction in multiferroic BiMn ₃ Mn ₄ O ₁₂ . Journal of Applied Physics, 2013, 113, .	2.5	15
24	Inclusion Properties, Polymorphism and Desolvation Kinetics in a New 2-Pyridyl Iminophenol Compound with 1D Nanochannels. Crystal Growth and Design, 2009, 9, 3749-3758.	3.0	14
25	Dynamics of evaporation from CuGaSe ₂ targets in pulsed electron deposition technique. Journal Physics D: Applied Physics, 2013, 46, 245101.	2.8	14
26	Structural Evolution under Pressure of BiMnO ₃ . Inorganic Chemistry, 2014, 53, 8749-8754.	4.0	14
27	Optical study of the vibrational and dielectric properties of BiMnO_3 . Physical Review B, 2015, 92, .		
28	Thermodynamic and Kinetic Effects on the Nucleation and Growth of μ/μ^0 - or μ^2 -Ga ₂ O ₃ by Metalâ€“Organic Vapor Phase Epitaxy. Crystal Growth and Design, 2021, 21, 6393-6401.	3.0	13
29	From Local Control to Collective Response: Fabrication of Responsive Organometallic Crystalline Materials by Careful Design of Functionalities and Tailoring of the Intermolecular Interactions. Crystal Growth and Design, 2012, 12, 4240-4247.	3.0	12
30	Improper Ferroelectric Contributions in the Double Perovskite Pb ₂ Mn _{0.6} Co _{0.4} WO ₆ System with a Collinear Magnetic Structure. Inorganic Chemistry, 2016, 55, 4381-4390.	4.0	12
31	Ca-Zn solid solutions in C ₂ /cpxoxenes: Synthesis, crystal structure, and implications for Zn geochemistry. American Mineralogist, 2015, 100, 2209-2218.	1.9	11
32	Structural and magnetic characterization of the double perovskite Pb ₂ FeMoO ₆ . Journal of Materials Chemistry C, 2016, 4, 1533-1542.	5.5	11
33	Synthesis, physico-chemical studies, non-linear optical properties and DFT calculations of a new non-centrosymmetric compound: (3-ammoniumpyridinium)tetrachloridozincate (II). Journal of Molecular Structure, 2019, 1184, 524-531.	3.6	11
34	Growth and structural characterization of Sb ₂ Se ₃ solar cells with vertical Sb ₄ Se ₆ ribbon alignment by RF magnetron sputtering. Journal Physics D: Applied Physics, 2021, 54, 385502.	2.8	11
35	Effect of chemical pressure induced by La ³⁺ /Y ³⁺ substitution on the magnetic ordering of (AMn ₃)Mn ₄ O ₁₂ quadruple perovskites. Physical Review Materials, 2017, 1, .	2.4	10
36	Centrosymmetry Breaking and Ferroelectricity Driven by Short-Range Magnetic Order in the Quadruple Perovskite (YMn ₃)Mn ₄ O ₁₂ . Inorganic Chemistry, 2019, 58, 14204-14211.	4.0	9

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37	Metastable (CuAu-type) CuInS ₂ Phase: High-Pressure Synthesis and Structure Determination. Inorganic Chemistry, 2020, 59, 11670-11675.	4.0	9
38	Using High Pressure to Prepare Polymorphs of the Ba ₂ Co _{1-x} Zn _x S ₃ (0 ≤ x ≤ 1.0) Compounds. Inorganic Chemistry, 2012, 51, 397-404.	4.0	8
39	Solvated and Ferroelectric Phases of the Charge Transfer Co-Crystal TMB-TCNQ. Crystal Growth and Design, 2018, 18, 5592-5599.	3.0	8
40	An affordable method to produce CuInS ₂ mechano-targets™ for film deposition. Semiconductor Science and Technology, 2020, 35, 045026.	2.0	8
41	Crystal structure of non-centrosymmetric bis(4-methoxybenzylammonium) tetrachloridozincate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1050-1053.	0.5	7
42	Magnetic and Mossbauer characterization of the multiferroic fluoride K ₃ Fe ₅ F ₁₆ . $\text{K}_3\text{Fe}_5\text{F}_{16}$	3.2	6
43	Co ²⁺ -doped diopside: crystal structure and optical properties. Physics and Chemistry of Minerals, 2018, 45, 443-461.	0.8	6
44	Magnetic and Morphological Properties of Ferrofluid-Impregnated Hydroxyapatite/Collagen Scaffolds. Science of Advanced Materials, 2014, 6, 2679-2687.	0.7	6
45	Field effects on spontaneous magnetization reversal of bulk BiFe _{0.5} Mn _{0.5} O ₃ , an effective strategy for the study of magnetic disordered systems. Journal of Physics Condensed Matter, 2015, 27, 286002.	1.8	5
46	Synthesis and crystal structure of Ca(Co,Mg)Si ₂ O ₆ pyroxenes: effect of the cation substitution on cell volume. Mineralogical Magazine, 2017, 81, 1129-1139.	1.4	5
47	Phase equilibria in metastable regime in the (C ₈ H ₁₂ NO) ₂ [ZnCl ₄] ferroelectric system. Journal of Materials Chemistry C, 2018, 6, 1057-1063.	5.5	5
48	The structure of P ₂ /C (Ca _{0.2} Co _{0.8} CoSi ₂ O ₆) pyroxene and the P ₂ /C phase transition in natural and synthetic Ca ²⁺ Mg ²⁺ Fe ²⁺ pyroxenes. Mineralogical Magazine, 2018, 82, 211-228.	1.4	5
49	Supramolecular Assemblies in Silver Complexes: Phase Transitions and the Role of the Halogen Bond. Inorganic Chemistry, 2020, 59, 4140-4149.	4.0	5
50	Structural and electrical phase transitions in the [(C ₂ H ₅) ₄ N] ₂ Zn _{1.86} Cl _{0.14} system. Journal of Solid State Chemistry, 2017, 256, 60-66.	2.9	4
51	Synthesis, crystal structure, Hirshfeld surface analysis and dielectric properties of a new centrosymmetric hybrid compound (C ₄ H ₁₂ NO ₃)CdCl ₃ ·H ₂ O. Polyhedron, 2019, 170, 695-704.	2.2	4
52	Structural effects on the emission properties of Pr ³⁺ -doped Ba ₂ NaNb ₅ O ₁₅ crystals. Journal Physics D: Applied Physics, 2010, 43, 455404.	2.8	3
53	Synthesis and crystal structure of 4-fluorobenzylammonium dihydrogen phosphate, [FC ₆ H ₄ CH ₂ NH ₃][H ₂ PO ₄]. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1812-1815.	0.5	3
54	A comprehensive study of the magnetic properties of the pyroxenes series CaMgSi ₂ O ₆ –Co ₂ Si ₂ O ₆ as a function of Co content. Journal of Physics Condensed Matter, 2018, 30, 285801.	1.8	3

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55	High Pressure Induced Insulator-to-Semimetal Transition through Intersite Charge Transfer in NaMn ₇ O ₁₂ . Crystals, 2018, 8, 81.	2.2	3
56	Relaxor ferroelectricity in the polar M2P-TCNQ charge-transfer crystal at the neutral-ionic interface. Physical Review B, 2021, 103, .	3.2	3
57	Triangular Exchange Interaction Patterns in K ₃ Fe ₆ F ₁₉ : An Iron Potassium Fluoride with a Complex Tungsten Bronze Related Structure. Inorganic Chemistry, 2013, 52, 12599-12604.	4.0	1
58	Multiferroism in Fluorides. , 2016, , 285-307.		1
59	Singling out the effect of quenched disorder in the phase diagram of cuprates. Journal of Physics Condensed Matter, 2019, 31, 184002.	1.8	1
60	Deterministic synthesis of Cu ₉ S ₅ flakes assisted by single-layer graphene arrays. Nanoscale Advances, 2021, 3, 1352-1361.	4.6	1
61	Synthesis and crystal structure of 4-(2-ammonioethyl)morpholin-4-ium dichlorodiodidocadmte/chloridotriiodidocadmte (0.90/0.10). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1404-1407.	0.5	1