Francesco Mezzadri

List of Publications by Year
in descending order

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61 papers	1,359 citations	430874 18 h-index	361022 35 g-index
65 all docs	65 docs citations	65 times ranked	1821 citing authors

#	Article	IF	Citations
1	Relaxor ferroelectricity in the polar M2P-TCNQ charge-transfer crystal at the neutral-ionic interface. Physical Review B, 2021, 103, .	3.2	3
2	Growth and structural characterization of Sb₂Se₃ solar cells with vertical Sb₄Se₆ ribbon alignment by RF magnetron sputtering. Journal Physics D: Applied Physics, 2021, 54, 385502.	2.8	11
3	Deterministic synthesis of Cu9S5 flakes assisted by single-layer graphene arrays. Nanoscale Advances, 2021, 3, 1352-1361.	4.6	1
4	Thermodynamic and Kinetic Effects on the Nucleation and Growth of Îµ/Îº- or Î²-Ga₂O₃ by Metalâ€“Organic Vapor Phase Epitaxy. Crystal Growth and Design, 2021, 21, 6393-6401.	3.0	13
5	Role of the substrates in the ribbon orientation of Sb2Se3 films grown by Low-Temperature Pulsed Electron Deposition. Solar Energy Materials and Solar Cells, 2020, 218, 110724.	6.2	50
6	Metastable (CuAu-type) CuInS2 Phase: High-Pressure Synthesis and Structure Determination. Inorganic Chemistry, 2020, 59, 11670-11675.	4.0	9
7	All-Inorganic CsPbBr3 Perovskite Films Prepared by Single Source Thermal Ablation. Frontiers in Chemistry, 2020, 8, 313.	3.6	28
8	Supramolecular Assemblies in Silver Complexes: Phase Transitions and the Role of the Halogen Bond. Inorganic Chemistry, 2020, 59, 4140-4149.	4.0	5
9	An affordable method to produce CuInS2 â€˜mechano-targetsâ€™ for film deposition. Semiconductor Science and Technology, 2020, 35, 045026.	2.0	8
10	Centrosymmetry Breaking and Ferroelectricity Driven by Short-Range Magnetic Order in the Quadruple Perovskite (YMn₃)Mn₄O₁₂. Inorganic Chemistry, 2019, 58, 14204-14211.	4.0	9
11	Synthesis, crystal structure, Hirshfeld surface analysis and dielectric properties of a new centrosymmetric hybrid compound (C4H12NO3)CdCl3Â·H2O. Polyhedron, 2019, 170, 695-704.	2.2	4
12	Singling out the effect of quenched disorder in the phase diagram of cuprates. Journal of Physics Condensed Matter, 2019, 31, 184002.	1.8	1
13	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
14	Phase equilibria in metastable regime in the (C₈H₁₂NO)₂[ZnCl₄] ferroelectric system. Journal of Materials Chemistry C, 2018, 6, 1057-1063.	5.5	5
15	Tunable luminescence and energy transfer properties in YPO4:Tb3+, Eu3+/Tb3+ phosphors. Journal of Luminescence, 2018, 194, 96-101.	3.1	34
16	Co2+-doped diopside: crystal structure and optical properties. Physics and Chemistry of Minerals, 2018, 45, 443-461.	0.8	6
17	A comprehensive study of the magnetic properties of the pyroxenes series CaMgSi₂O₆â€“Co₂Si₂O₆ as a function of Co content. Journal of Physics Condensed Matter, 2018, 30, 285801.	1.8	3
18	Solvated and Ferroelectric Phases of the Charge Transfer Co-Crystal TMB-TCNQ. Crystal Growth and Design, 2018, 18, 5592-5599.	3.0	8

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19	High Pressure Induced Insulator-to-Semimetal Transition through Intersite Charge Transfer in NaMn7O12. Crystals, 2018, 8, 81.	2.2	3
20	The structure of P2₁/c (Ca_{0.2}Co_{0.8})CoSi₂O₆ pyroxene and the C2/câ€“P2₁/c phase transition in natural and synthetic Caâ€“Mgâ€“Fe²⁺ pyroxenes. Mineralogical Magazine, 2018, 82, 211-228.	1.4	5
21	The real structure of Îµ-Ga₂O₃ and its relation to Î²-phase. CrystEngComm, 2017, 19, 1509-1516.	2.6	227
22	Synthesis and crystal structure of C2/c Ca(Co,Mg)Si₂O₆ pyroxenes: effect of the cation substitution on cell volume. Mineralogical Magazine, 2017, 81, 1129-1139.	1.4	5
23	Thermal stability of Îµ-Ga2O3 polymorph. Acta Materialia, 2017, 140, 411-416.	7.9	84
24	Structural and electrical phase transitions in the [(C 2 H 5) 4 N] 2 ZnI 3.86 Cl 0.14 system. Journal of Solid State Chemistry, 2017, 256, 60-66.	2.9	4
25	Effect of chemical pressure induced by La3+/Y3+ substitution on the magnetic ordering of (AMn3)Mn4O12 quadruple perovskites. Physical Review Materials, 2017, 1, .	2.4	10
26	Multiferroism in Fluorides. , 2016, , 285-307.		1
27	Synthesis and crystal structure of 4-fluorobenzylammonium dihydrogen phosphate, [FC6H4CH2NH3]H2PO4. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1812-1815.	0.5	3
28	Crystal structure of non-centrosymmetric bis(4-methoxybenzylammonium) tetrachloridozincate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1050-1053.	0.5	7
29	Improper Ferroelectric Contributions in the Double Perovskite Pb₂Mn_{0.6}Co_{0.4}WO₆ System with a Collinear Magnetic Structure. Inorganic Chemistry, 2016, 55, 4381-4390.	4.0	12
30	Crystal Structure and Ferroelectric Properties of Îµ-Ga₂O₃ Films Grown on (0001)-Sapphire. Inorganic Chemistry, 2016, 55, 12079-12084.	4.0	191
31	Poling-Written Ferroelectricity in Bulk Multiferroic Double-Perovskite BiFe_{0.5}Mn_{0.5}O₃. Inorganic Chemistry, 2016, 55, 6308-6314.	4.0	18
32	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
33	Structural and magnetic characterization of the double perovskite Pb₂FeMoO₆. Journal of Materials Chemistry C, 2016, 4, 1533-1542.	5.5	11
34	Synthesis and crystal structure of 4-(2-ammonioethyl)morpholin-4-ium dichloridodiiodidocadmate/chloridotriiodidocadmate (0.90/0.10). Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1404-1407.	0.5	1
35	Optical study of the vibrational and dielectric properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>BiMnO</mml:mtext><mml:mn>3</mml:mn></mml:msub></mml:math> Physical Review B, 2015, 92, .	3.2	18
36	Thermal expansion coefficients of Î²-Ga₂O₃single crystals. Applied Physics Express, 2015, 8, 111101.	2.4	49

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37	Field effects on spontaneous magnetization reversal of bulk BiFe_{0.5}Mn_{0.5}O₃, an effective strategy for the study of magnetic disordered systems. Journal of Physics Condensed Matter, 2015, 27, 286002.	1.8	5
38	Ca-Zn solid solutions inC2/cpyroxenes: Synthesis, crystal structure, and implications for Zn geochemistry. American Mineralogist, 2015, 100, 2209-2218.	1.9	11
39	Low-temperature growth of single-crystal Cu(In,Ga)Se2 films by pulsed electron deposition technique. Solar Energy Materials and Solar Cells, 2015, 133, 82-86.	6.2	23
40	Tunable luminescence of Bi³⁺-doped YP_xV_{1 â^' x}O₄(0 â‰¤) Tj ETQq0 0 0 rgBT /Over	1.8	36
41	Porous Molecular Crystals by Macrocyclic Coordination Supramolecules. Journal of the American Chemical Society, 2014, 136, 14883-14895.	13.7	48
42	Structural and Electric Evidence of Ferrielectric State in Pb₂MnWO₆ Double Perovskite System. Inorganic Chemistry, 2014, 53, 10283-10290.	4.0	16
43	Structural Evolution under Pressure of BiMnO₃. Inorganic Chemistry, 2014, 53, 8749-8754.	4.0	14
44	Magnetic and Morphological Properties of Ferrofluid-Impregnated Hydroxyapatite/Collagen Scaffolds. Science of Advanced Materials, 2014, 6, 2679-2687.	0.7	6
45	Thermally activated magnetization reversal in bulk BiFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	24
46	Triangular Exchange Interaction Patterns in K3Fe6F19: An Iron Potassium Fluoride with a Complex Tungsten Bronze Related Structure. Inorganic Chemistry, 2013, 52, 12599-12604.	4.0	1
47	Magnetoelectric coupling driven by inverse magnetostriction in multiferroic BiMn3Mn4O12. Journal of Applied Physics, 2013, 113, .	2.5	15
48	Dynamics of evaporation from CuGaSe2targets in pulsed electron deposition technique. Journal Physics D: Applied Physics, 2013, 46, 245101.	2.8	14
49	The structure of (Ca,Co)CoSi2O6 pyroxenes and the Ca-M2+ substitution in (Ca,M2+)M2+Si2O6 pyroxenes (M2+ = Co, Fe, Mg). American Mineralogist, 2013, 98, 1241-1252.	1.9	21
50	Using High Pressure to Prepare Polymorphs of the Ba₂Co_{1â€“x}Zn_xS₃ (0 â‰¤ x â‰¤ 1.0) Compounds. Inorganic Chemistry, 2012, 51, 397-404.	4.0	8
51	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
52	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
53	Polymorphism and Multiferroicity in Bi1â€“x/3(MnIII3)(MnIII4â€“xMnIVx)O12. Chemistry of Materials, 2011, 23, 3628-3635.	6.7	15
54	Y(P,V)O4:Dy3+ phosphors for white light generation: Emission dynamics and host effect. Journal of Solid State Chemistry, 2011, 184, 1843-1849.	2.9	18

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55	Structural and Mssbauer characterization of the multiferroic fluoride K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>F<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	6
56	Structural effects on the emission properties of Pr3+-doped Ba2NaNb5O15crystals. Journal Physics D: Applied Physics, 2010, 43, 455404.	2.8	3
57	High-pressure synthesis and characterization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PrMn</mml:mtext></mml:mrow><mml:mn>7</mml:mn></mml:msub> Physical Review B, 2009, 79, .	3.2	26
58	Synthesis and characterization of multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BiMn</mml:mtext></mml:mrow><mml:mn>7</mml:mn></mml:msub><mml:m Physical Review B, 2009, 79, .	3.2	45
59	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
60	Effects of â€œchanging the wheelsâ€•on the inclusion properties in metalâ€“organic diols. CrystEngComm, 2008, 10, 1916.	2.6	19
61	Structural properties and multiferroic phase diagram of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>K</mml:mtext><mml:mrow><mml:mn>0.6</mml:mn></mml:mrow></mml:m Physical Review B, 2008, 78, .	3.2	25