

Lorenzo Malavasi

List of Publications by Year in descending order

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225
papers

6,907
citations

61984

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238
all docs

238
docs citations

238
times ranked

9379
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxide-ion and proton conducting electrolyte materials for clean energy applications: structural and mechanistic features. <i>Chemical Society Reviews</i> , 2010, 39, 4370.	38.1	748
2	Evidence of a Pressure-Induced Metallization Process in Monoclinic VO ₂ . <i>Physical Review Letters</i> , 2007, 98, 196406.	7.8	177
3	Optical properties of $V_{1-x}Co_x$ under high pressure. <i>Physical Review B</i> , 2008, 77, .	3.0	160
4	Raman spectroscopy of AMn ₂ O ₄ (A=Fe, Mn, Mg and Zn) spinels. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3876-3880.	2.8	161
5	Halloysite and chitosan oligosaccharide nanocomposite for wound healing. <i>Acta Biomaterialia</i> , 2017, 57, 216-224.	8.3	125
6	High conductivity and chemical stability of BaCe _{1-x} Zr _x Y _{0.3} proton conductors prepared by a sol-gel method. <i>Journal of Materials Chemistry</i> , 2008, 18, 5120.	6.7	116
7	Wound dressings based on silver sulfadiazine solid lipid nanoparticles for tissue repairing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 84-90.	4.3	88
8	Pressure-Induced Effects in Organic-Inorganic Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2613-2622.	4.6	88
9	Effect of alkaline-doping on the properties of La ₂ Mo ₂ O ₉ fast oxygen ion conductor. <i>Journal of Materials Chemistry</i> , 2004, 14, 3553.	6.7	86
10	Nature of the Monoclinic to Cubic Phase Transition in the Fast Oxygen Ion Conductor La ₂ Mo ₂ O ₉ (LAMO _X). <i>Journal of the American Chemical Society</i> , 2007, 129, 6903-6907.	13.7	84
11	Buccal Delivery of Acyclovir from Films Based on Chitosan and Polyacrylic Acid. <i>Pharmaceutical Development and Technology</i> , 2003, 8, 199-208.	2.4	79
12	High-pressure behavior of methylammonium lead iodide (MAPbI ₃) hybrid perovskite. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	78
13	NdCoO ₃ perovskite as possible candidate for CO-sensors: thin films synthesis and sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2005, 105, 407-411.	7.8	75
14	TiO ₂ thin films for spintronics application: a Raman study. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 558-565.	2.5	74
15	Role of oxygen content on the transport and magnetic properties of La _{1-x} CaxMnO ₃ +δ manganites. <i>Solid State Communications</i> , 2002, 123, 321-326.	1.9	73
16	Quasiparticle evolution and pseudogap formation in $V_{2-x}O_3$: An infrared spectroscopy study. <i>Physical Review B</i> , 2008, 77, .	3.2	73
17	Synthesis, structural and optical characterization of APbX ₃ (A=methylammonium, dimethylammonium,) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i> 2016, 240, 55-60.	2.9	73
18	Water-Stable DMASnBr ₃ Lead-Free Perovskite for Effective Solar-Driven Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3611-3618.	13.8	72

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19	Chitosan-associated SLN: <i>in vitro</i> and <i>ex vivo</i> characterization of cyclosporine A loaded ophthalmic systems. <i>Journal of Microencapsulation</i> , 2010, 27, 735-746.	2.8	70
20	Origin of colossal magnetoresistance in LaMnO_3 manganite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10869-10872.	7.1	70
21	Role of synthetic route on the transport properties of $\text{BaCe}_{1-x}\text{Y}_x\text{O}_3$ proton conductor. <i>Journal of Alloys and Compounds</i> , 2009, 470, 477-485.	5.5	66
22	Electrochemical open circuit voltage (OCV) characterization of SOFC materials. <i>Ionics</i> , 2013, 19, 1135-1144.	2.4	66
23	Wide band-gap tuning in Sn-based hybrid perovskites through cation replacement: the $\text{FA}_{1-x}\text{MA}_x\text{SnBr}_3$ mixed system. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9391-9395.	10.3	65
24	Role of defect chemistry in the properties of perovskite manganites. <i>Journal of Materials Chemistry</i> , 2008, 18, 3295.	6.7	62
25	Platelet lysate formulations based on mucoadhesive polymers for the treatment of corneal lesions. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 189-198.	2.4	60
26	Chitosan/Glycosaminoglycan Scaffolds: The Role of Silver Nanoparticles to Control Microbial Infections in Wound Healing. <i>Polymers</i> , 2019, 11, 1207.	4.5	59
27	Chitosan/glycosaminoglycan scaffolds for skin reparation. <i>Carbohydrate Polymers</i> , 2019, 220, 219-227.	10.2	59
28	Correlation between Thermal Properties, Electrical Conductivity, and Crystal Structure in the $\text{BaCe}_{0.80}\text{Y}_{0.20}\text{O}_{3.9}$ Proton Conductor. <i>Chemistry of Materials</i> , 2008, 20, 2343-2351.	6.7	58
29	Effects of cation vacancy distribution in doped LaMnO_3 perovskites. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2042-2049.	2.9	57
30	Chitosan-coupled solid lipid nanoparticles: Tuning nanostructure and mucoadhesion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 110, 13-18.	4.3	57
31	Band Gap Engineering in MASnBr_3 and CsSnBr_3 Perovskites: Mechanistic Insights through the Application of Pressure. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7398-7405.	4.6	57
32	$\text{CH}_3\text{NH}_3\text{Sn}_{1-x}\text{Pb}_x\text{Br}_3$ Hybrid Perovskite Solid Solution: Synthesis, Structure, and Optical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 8893-8895.	4.0	55
33	Improved photocatalytic H_2 production assisted by aqueous glucose biomass by oxidized g-C $_3$ N $_4$. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 14925-14933.	7.1	55
34	Synthesis and characterization of $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{2.9}$ polycrystalline and thin film materials. <i>Solid State Ionics</i> , 2005, 176, 1505-1512.	2.7	54
35	Chemical Structures of Specific Sodium Ion Battery Components Determined by Operando Pair Distribution Function and X-ray Diffraction Computed Tomography. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11385-11389.	13.8	54
36	$\text{PEA}_2\text{SnBr}_4$: a water-stable lead-free two-dimensional perovskite and demonstration of its use as a co-catalyst in hydrogen photogeneration and organic-dye degradation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9189-9194.	5.5	54

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37	Experimental Strategy and Mechanistic View to Boost the Photocatalytic Activity of Cs ₃ Bi ₂ Br ₉ Lead-Free Perovskite Derivative by g-C ₃ N ₄ Composite Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2104428.	14.9	53
38	Thermosensitive eyedrops containing platelet lysate for the treatment of corneal ulcers. <i>International Journal of Pharmaceutics</i> , 2012, 426, 1-6.	5.2	51
39	g-C ₃ N ₄ - Singlet Oxygen Made Easy for Organic Synthesis: Scope and Limitations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8176-8182.	6.7	50
40	Germanium-Based Halide Perovskites: Materials, Properties, and Applications. <i>ChemPlusChem</i> , 2021, 86, 879-888.	2.8	50
41	Lattice Disorder, Electric Properties, and Magnetic Behavior of La _{1-x} NaxMnO ₃ Manganites. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2500-2505.	2.6	48
42	Facile and fast preparation of low-cost silica-supported graphitic carbon nitride for solid-phase extraction of fluoroquinolone drugs from environmental waters. <i>Journal of Chromatography A</i> , 2017, 1489, 9-17.	3.7	45
43	Structural and Transport Properties of Mg _{1-x} MnxMn ₂ O ₄ Spinel. <i>Journal of Solid State Chemistry</i> , 2002, 166, 171-176.	2.9	44
44	Superconductivity in Sm-doped [n]phenacenes (n = 3, 4, 5). <i>Chemical Communications</i> , 2015, 51, 1092-1095.	4.1	44
45	Freeze dried chitosan acetate dressings with glycosaminoglycans and traxenamic acid. <i>Carbohydrate Polymers</i> , 2018, 184, 408-417.	10.2	43
46	Evidence for photo-induced monoclinic metallic VO ₂ under high pressure. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	42
47	Short-Range Order of Methylammonium and Persistence of Distortion at the Local Scale in MAPbBr ₃ Hybrid Perovskite. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14320-14324.	13.8	42
48	Green-Emitting Lead-Free Cs ₄ SnBr ₆ Zero-Dimensional Perovskite Nanocrystals with Improved Air Stability. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 618-623.	4.6	42
49	Platelet Lysate Mucoadhesive Formulation to Treat Oral Mucositis in Graft Versus Host Disease Patients: A New Therapeutic Approach. <i>AAPS PharmSciTech</i> , 2011, 12, 893-9.	3.3	41
50	The role of chitosan as coating material for nanostructured lipid carriers for skin delivery of fucoxanthin. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118487.	5.2	41
51	Enhanced air-stability of Sn-based hybrid perovskites induced by dimethylammonium (DMA): synthesis, characterization, aging and hydrogen photogeneration of the MA _{1-x} DMA _x SnBr ₃ system. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7020-7026.	5.5	41
52	Nanosized Sodium-Doped Lanthanum Manganites: Role of the Synthetic Route on Their Physical Properties. <i>Chemistry of Materials</i> , 2003, 15, 5036-5043.	6.7	39
53	Platelet lysate embedded scaffolds for skin regeneration. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 525-545.	5.0	39
54	Enhancement of room temperature ferromagnetism in N-doped TiO ₂ rutile: Correlation with the local electronic properties. <i>Applied Physics Letters</i> , 2010, 97, 012506.	3.3	37

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55	Nature of conductivity in SrSiO ₃ -based fast ion conductors. <i>Chemical Communications</i> , 2014, 50, 14732-14735.	4.1	36
56	Locking of Methylammonium by Pressure-Enhanced H-Bonding in (CH ₃ NH ₃)PbBr ₃ Hybrid Perovskite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28125-28131.	3.1	35
57	Highly Tunable Emission by Halide Engineering in Lead-Free Perovskite-Derivative Nanocrystals: The Cs ₂ SnX ₆ (X = Cl, Br, Br/I, I) System. <i>Frontiers in Chemistry</i> , 2020, 8, 35.	3.6	35
58	Innovative Strategies in Tendon Tissue Engineering. <i>Pharmaceutics</i> , 2021, 13, 89.	4.5	34
59	Mucoadhesive behaviour of emulsions containing polymeric emulsifier. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 34, 226-235.	4.0	33
60	Combined Neutron and Synchrotron X-ray Diffraction Investigation of the BaCe _{0.85} Zr _x Y _{0.15} O _{3-δ} (0.1 $\leq x \leq 0.2$) Perovskite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28125-28131.	3.1	32
61	Anisotropic compression in the high-pressure regime of pure and chromium-doped vanadium dioxide. <i>Physical Review B</i> , 2012, 85, .	3.2	32
62	High-Pressure Optical Properties and Chemical Stability of Picene. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5343-5351.	3.1	32
63	Direct Evidence of Permanent Octahedra Distortion in MAPbBr ₃ Hybrid Perovskite. <i>ACS Energy Letters</i> , 2017, 2, 863-868.	17.4	32
64	Electron Transport Materials: Evolution and Case Study for High-Efficiency Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000136.	5.8	32
65	Phase Diagram of NdFeAsO _{1-x} F _x : Essential Role of Chemical Composition. <i>Journal of the American Chemical Society</i> , 2010, 132, 2417-2420.	13.7	31
66	Exploring the Limits of Three-Dimensional Perovskites: The Case of FAPb _{1-x} Sn _x Br ₃ . <i>ACS Energy Letters</i> , 2018, 3, 1353-1359.	17.4	31
67	Platelet lysate loaded electrospun scaffolds: Effect of nanofiber types on wound healing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 247-257.	4.3	31
68	Halloysite- and Montmorillonite-Loaded Scaffolds as Enhancers of Chronic Wound Healing. <i>Pharmaceutics</i> , 2020, 12, 179.	4.5	31
69	Norfloxacin-Loaded Electrospun Scaffolds: Montmorillonite Nanocomposite vs. Free Drug. <i>Pharmaceutics</i> , 2020, 12, 325.	4.5	31
70	Clay minerals for adsorption of veterinary FQs: Behavior and modeling. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 738-744.	6.7	30
71	Novel Physical Vapor Deposition Approach to Hybrid Perovskites: Growth of MAPbI ₃ Thin Films by RF-Magnetron Sputtering. <i>Scientific Reports</i> , 2018, 8, 15388.	3.3	30
72	Synthesis, Properties, and Modeling of Cs _{1-x} Rb _x SnBr ₃ Solid Solution: A New Mixed-Cation Lead-Free All-Inorganic Perovskite System. <i>Chemistry of Materials</i> , 2019, 31, 3527-3533.	6.7	30

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73	High-temperature neutron diffraction study of $\text{La}_2\text{Mo}_2\text{O}_9$. Correlation between structure and transport properties. Physical Review B, 2010, 82, .	3.2	29
74	Electrospun Scaffolds in Periodontal Wound Healing. Polymers, 2021, 13, 307.	4.5	29
75	Correlation between Deposition Parameters and Hydrogen Production in CuO Nanostructured Thin Films. Langmuir, 2016, 32, 1510-1520.	3.5	28
76	Collagen/PCL Nanofibers Electrospun in Green Solvent by DOE Assisted Process. An Insight into Collagen Contribution. Materials, 2020, 13, 4698.	2.9	28
77	Role of spacer cations and structural distortion in two-dimensional germanium halide perovskites. Journal of Materials Chemistry C, 2021, 9, 9899-9906.	5.5	28
78	Sunlight photodegradation of marbofloxacin and enrofloxacin adsorbed on clay minerals. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 103-109.	3.9	27
79	Sponge-Like Dressings Based on the Association of Chitosan and Sericin for the Treatment of Chronic Skin Ulcers. II. Loading of the Hemoderivative Platelet Lysate. Journal of Pharmaceutical Sciences, 2016, 105, 1188-1195.	3.3	27
80	The $\text{FA}_{1-x}\text{MA}_x\text{Pb}_3$ System: Correlations among Stoichiometry Control, Crystal Structure, Optical Properties, and Phase Stability. Journal of Physical Chemistry C, 2017, 121, 8746-8751.	3.1	27
81	$\text{g-C}_3\text{N}_4$ -promoted degradation of ofloxacin antibiotic in natural waters under simulated sunlight. Environmental Science and Pollution Research, 2017, 24, 4153-4161.	5.3	27
82	Photocatalytic hydrogen evolution assisted by aqueous (waste)biomass under simulated solar light: Oxidized $\text{g-C}_3\text{N}_4$ vs. P25 titanium dioxide. International Journal of Hydrogen Energy, 2019, 44, 4072-4078.	7.1	27
83	Nanotechnology-Based Medical Devices for the Treatment of Chronic Skin Lesions: From Research to the Clinic. Pharmaceutics, 2020, 12, 815.	4.5	27
84	Lattice effects in cubic $\text{La}_2\text{Mo}_2\text{O}_9$: Effect of vacuum and correlation with transport properties. Journal of Solid State Chemistry, 2008, 181, 603-610.	2.9	26
85	Reaction Mechanism of Photocatalytic Hydrogen Production at Water/Tin Halide Perovskite Interfaces. ACS Energy Letters, 2022, 7, 1308-1315.	17.4	26
86	Combined experimental and computational study of the pressure dependence of the vibrational spectrum of solid picene $\text{C}_{22}\text{H}_{14}$. Physical Review B, 2013, 88, .	3.2	25
87	Local Structure of Proton-Conducting Lanthanum Tungstate $\text{La}_{28}\text{W}_4\text{O}_{54}$: a Combined Density Functional Theory and Pair Distribution Function Study. Chemistry of Materials, 2013, 25, 2378-2384.	6.7	25
88	Superconductivity in metal-intercalated aromatic hydrocarbons. Journal of Materials Chemistry C, 2014, 2, 1577.	5.5	25
89	Electrospun Alginate Fibers: Mixing of Two Different Poly(ethylene oxide) Grades to Improve Fiber Functional Properties. Nanomaterials, 2018, 8, 971.	4.1	25
90	Defect and dopant properties of MgTa_2O_6 . Journal of Solid State Chemistry, 2004, 177, 4359-4367.	2.9	24

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91	Columbite-type $\text{Fe}_x\text{Mn}_{1-x}\text{Nb}_2\text{O}_6$ solid solution: structural and magnetic characterization. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4056-4061.	2.8	24
92	Hyper-expanded interlayer separations in superconducting barium intercalates of FeSe. <i>Chemical Communications</i> , 2015, 51, 7112-7115.	4.1	24
93	Interstitial oxide ion migration in scheelite-type electrolytes: a combined neutron diffraction and computational study. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22258-22265.	10.3	24
94	Recent advances in the application of total scattering methods to functional materials. <i>Chemical Communications</i> , 2015, 51, 16592-16604.	4.1	24
95	Electrospun Gelatin-Chondroitin Sulfate Scaffolds Loaded with Platelet Lysate Promote Immature Cardiomyocyte Proliferation. <i>Polymers</i> , 2018, 10, 208.	4.5	24
96	Local structure and vibrational dynamics in indium-doped barium zirconate. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7360-7372.	10.3	24
97	Local Structure and Electronic Properties of the Rhombohedral and Orthorhombic Colossally Magnetoresistive Manganites $\text{La}_{1-x}\text{Na}_x\text{MnO}_3$ by Mn K Edge EXAFS and XANES. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4365-4372.	2.6	23
98	Materials development for CO-detection with improved selectivity through catalytic activation. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 121-128.	7.8	23
99	Total scattering investigation of materials for clean energy applications: The importance of the local structure. <i>Dalton Transactions</i> , 2011, 40, 3777.	3.3	23
100	Designing a High-Power Sodium-Ion Battery by <i>in Situ</i> Metal Plating. <i>ACS Applied Energy Materials</i> , 2019, 2, 344-353.	5.1	23
101	Structure-property correlation in oxide-ion and proton conductors for clean energy applications: recent experimental and computational advancements. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5082-5110.	10.3	23
102	Magnetic and X-ray diffraction investigation on $\text{Mg}_{1-x}\text{Mn}_x\text{O}_4$ spinels. <i>Solid State Communications</i> , 2001, 119, 591-595.	1.9	22
103	High-pressure stability of the tetragonal spinel MgMn_2O_4 : Role of inversion. <i>Physical Review B</i> , 2005, 71, .	3.2	22
104	Disproportionation, Dopant Incorporation, and Defect Clustering in Perovskite-Structured NdCoO_3 . <i>Journal of Physical Chemistry B</i> , 2006, 110, 5395-5402.	2.6	22
105	Structure-properties correlations in Fe chalcogenide superconductors. <i>Chemical Society Reviews</i> , 2012, 41, 3897.	38.1	22
106	Platelet lysate and chondroitin sulfate loaded contact lenses to heal corneal lesions. <i>International Journal of Pharmaceutics</i> , 2016, 509, 188-196.	5.2	22
107	Investigation of Dimethylammonium Solubility in MAPbBr_3 Hybrid Perovskite: Synthesis, Crystal Structure, and Optical Properties. <i>Inorganic Chemistry</i> , 2019, 58, 944-949.	4.0	22
108	Solar-Driven Hydrogen Generation by Metal Halide Perovskites: Materials, Approaches, and Mechanistic View. <i>ACS Omega</i> , 2020, 5, 25511-25519.	3.5	22

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109	Carbon Nitride-Perovskite Composites: Evaluation and Optimization of Photocatalytic Hydrogen Evolution in Saccharides Aqueous Solution. <i>Catalysts</i> , 2020, 10, 1259.	3.5	22
110	Cation Dynamics and Structural Stabilization in Formamidinium Lead Iodide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3503-3508.	4.6	22
111	Investigation of the high temperature structural behavior of La _{0.99} Ca _{0.01} NbO ₄ proton conducting material. <i>Journal of Alloys and Compounds</i> , 2009, 475, L42-L45.	5.5	21
112	Interstitial oxygen in the Ga-based melilite ion conductor: A neutron total scattering study. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 8073-8080.	7.1	21
113	Ambient condition retention of band-gap tuning in MAPbI ₃ induced by high pressure quenching. <i>Chemical Communications</i> , 2018, 54, 13212-13215.	4.1	21
114	Ubiquitous Short-Range Distortion of Hybrid Perovskites and Hydrogen-Bonding Role: the MAPbCl ₃ Case. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28265-28272.	3.1	21
115	Exploring the role of halide mixing in lead-free BZA ₂ SnX ₄ two dimensional hybrid perovskites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1875-1886.	10.3	21
116	High pressure behavior of Ga-doped LaMnO ₃ : a combined X-ray diffraction and optical spectroscopy study. <i>Journal of Materials Chemistry</i> , 2010, 20, 1304-1311.	6.7	20
117	Ionic conductivity in melilite-type silicates. <i>Journal of Materials Chemistry A</i> , 2014, 2, 907-910.	10.3	20
118	Origin of pressure-induced band gap tuning in tin halide perovskites. <i>Materials Advances</i> , 2020, 1, 2840-2845.	5.4	20
119	Biomaterials for Soft Tissue Repair and Regeneration: A Focus on Italian Research in the Field. <i>Pharmaceutics</i> , 2021, 13, 1341.	4.5	20
120	Temperature-dependent local structure of NdFeAsO _{1-x} F _x system using arsenic K-edge extended x-ray absorption fine structure. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 265701.	1.8	19
121	Insight into the local structure of barium indate oxide-ion conductors: An X-ray total scattering study. <i>Dalton Transactions</i> , 2012, 41, 50-53.	3.3	19
122	High-Temperature Structural Evolution in the Ba ₃ Mo(1-x)W _x NbO _{8.5} System and Correlation with Ionic Transport Properties. <i>Inorganic Chemistry</i> , 2018, 57, 6746-6752.	4.0	19
123	Chitosan Oleate Coated Poly Lactic-Glycolic Acid (PLGA) Nanoparticles versus Chitosan Oleate Self-Assembled Polymeric Micelles, Loaded with Resveratrol. <i>Marine Drugs</i> , 2019, 17, 515.	4.6	19
124	Versatile vapor phase deposition approach to cesium tin bromide materials CsSnBr ₃ , CsSn ₂ Br ₅ and Cs ₂ SnBr ₆ . <i>RSC Advances</i> , 2020, 10, 28478-28482.	3.6	19
125	Application of Metal Halide Perovskites as Photocatalysts in Organic Reactions. <i>Inorganics</i> , 2021, 9, 56.	2.7	19
126	Defect and transport properties of the NdCoO ₃ catalyst and sensor material. <i>Progress in Solid State Chemistry</i> , 2007, 35, 491-499.	7.2	18

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127	Local and average structures of the proton conducting Y-doped BaCeO ₃ from neutron diffraction and neutron pair distribution function analysis. Journal of Applied Physics, 2009, 105, .	2.5	18
128	Average versus local structure in K ₂ NiF ₄ -type LaSrAlO ₄ : direct experimental evidence of local cationic ordering. Journal of Materials Chemistry, 2012, 22, 10488.	6.7	18
129	Enhanced hydrogen photogeneration by bulk g-C ₃ N ₄ through a simple and efficient oxidation route. Dalton Transactions, 2018, 47, 6772-6778.	3.3	18
130	Correlation between Transport Properties and Lattice Effects in the NdCoO ₃ -Based Catalysts and Sensor Materials. Chemistry of Materials, 2007, 19, 4741-4750.	6.7	17
131	Control of F-Doping in Pnictide High-Temperature Superconductors. Journal of the American Chemical Society, 2009, 131, 12044-12045.	13.7	17
132	Effect of oxygen content on properties of the HoBaCo ₂ O ₅ + δ layered cobaltite. Physical Review B, 2008, 78, .	3.2	16
133	Preparation, structural and magnetic characterisation of RF-sputtered La ^{1-x} NaxMnO ₃ ± thin films manganites. Physical Chemistry Chemical Physics, 2003, 5, 2274-2278.	2.8	15
134	Structure and magnetism of HoBaCo ₂ O ₅ + δ layered cobaltites with. Solid State Communications, 2008, 148, 87-90.	1.9	15
135	HOMO-LUMO transitions in solvated and crystalline picene. Journal of Chemical Physics, 2012, 137, 224506.	3.0	15
136	Tracking competitive lattice distortions in strongly correlated VO ₂ -based systems: A temperature-dependent EXAFS study. Europhysics Letters, 2013, 102, 66004.	2.0	15
137	Rationalization of hydrogen production by bulk g-C ₃ N ₄ : an in-depth correlation between physico-chemical parameters and solar light photocatalysis. RSC Advances, 2018, 8, 39421-39431.	3.6	15
138	Pressure Effects on Lead-Free Metal Halide Perovskites: a Route to Design Optimized Materials for Photovoltaics. Solar Rrl, 2021, 5, 2100550.	5.8	15
139	Influence of Ru Doping on the Structure, Defect Chemistry, Magnetic Interaction, and Carrier Motion of the La ^{1-x} NaxMnO ₃ + δ Manganite. Journal of Physical Chemistry B, 2005, 109, 20707-20713.	2.6	14
140	Probing the electronic and local structural changes across the pressure-induced insulator-to-metal transition in VO ₂ . Europhysics Letters, 2014, 108, 36003.	2.0	14
141	Physical and chemical vapor deposition methods applied to all-inorganic metal halide perovskites. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	14
142	Oxygen Chemical Diffusion Coefficient in Manganite Thin Films by Isothermal Electric Resistivity Measurements. Journal of Physical Chemistry B, 2003, 107, 13880-13884.	2.6	13
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