

Aleksandra D Mielewczyk-GryÅ,,

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermodynamics of solid phases containing rare earth oxides. <i>Journal of Chemical Thermodynamics</i> , 2015, 88, 126-141.	1.0	72
2	Status report on high temperature fuel cells in Poland – Recent advances and achievements. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 4366-4403.	3.8	55
3	Novel Class of Proton Conducting Materials – High Entropy Oxides. , 2020, 2, 1315-1321.		50
4	MnxCo3-xO4 spinel oxides as efficient oxygen evolution reaction catalysts in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14867-14879.	3.8	35
5	Effect of isovalent substitution on microstructure and phase transition of LaNb1-xMxO4 (M=Sb, V or Ta); <i>Tj ETQq1 1.0.784314,rgBT /Ov</i>	1.4	32
6	Influence of Sb-substitution on ionic transport in lanthanum orthoniobates. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11696-11707.	5.2	30
7	Effect of small quantities of potassium promoter and steam on the catalytic properties of nickel catalysts in dry/combined methane reforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3847-3864.	3.8	29
8	Formation enthalpies of LaLn _x 3O3 (Ln _x ³⁺ =Ho, Er, Tm and Yb) interlanthanide perovskites. <i>Journal of Solid State Chemistry</i> , 2015, 227, 150-154.	1.4	28
9	Properties of Nanohydroxyapatite Coatings Doped with Nanocopper, Obtained by Electrophoretic Deposition on Ti13Zr13Nb Alloy. <i>Materials</i> , 2019, 12, 3741.	1.3	28
10	Influence of antimony substitution on spontaneous strain and thermodynamic stability of lanthanum orthoniobate. <i>Ceramics International</i> , 2015, 41, 2128-2133.	2.3	25
11	Performance of a single layer fuel cell based on a mixed proton-electron conducting composite. <i>Journal of Power Sources</i> , 2017, 353, 230-236.	4.0	25
12	Tailoring structural properties of lanthanum orthoniobates through an isovalent substitution on the Nb-site. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2157-2166.	3.0	24
13	Bio-Based Polyurethane Composites and Hybrid Composites Containing a New Type of Bio-Polyol and Addition of Natural and Synthetic Fibers. <i>Materials</i> , 2020, 13, 2028.	1.3	22
14	Electrophoretic Deposition and Characterization of Chitosan/Eudragit E 100 Coatings on Titanium Substrate. <i>Coatings</i> , 2020, 10, 607.	1.2	21
15	Enthalpies of formation of rare earth niobates, RE ₃ NbO ₇ . <i>American Mineralogist</i> , 2015, 100, 1578-1583.	0.9	20
16	Electrophoretic Deposition and Characteristics of Chitosan – Nanosilver Composite Coatings on a Nanotubular TiO ₂ Layer. <i>Coatings</i> , 2020, 10, 245.	1.2	20
17	Characterization of structural, thermal and mechanical properties of bismuth silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 439, 51-56.	1.5	18
18	Structure and water uptake in BaLnCo ₂ O ₆ (Ln =La, Pr, Nd, Sm, Gd, Tb and Dy). <i>Acta Materialia</i> , 2020, 199, 297-310.	3.8	18

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19	Characterization of magnesium doped lanthanum orthoniobate synthesized by molten salt route. <i>Ceramics International</i> , 2015, 41, 7847-7852.	2.3	17
20	Optimization of microstructure and properties of acceptor-doped barium cerate. <i>Solid State Ionics</i> , 2012, 225, 245-249.	1.3	16
21	Praseodymium substituted lanthanum orthoniobate: Electrical and structural properties. <i>Ceramics International</i> , 2018, 44, 8210-8215.	2.3	16
22	High temperature monoclinic-to-tetragonal phase transition in magnesium doped lanthanum ortho-niobate. <i>Ceramics International</i> , 2013, 39, 4239-4244.	2.3	15
23	High-Temperature Structural and Electrical Properties of BaLnCo2O6 Perovskites. <i>Materials</i> , 2020, 13, 4044.	1.3	15
24	Electrophoretically Deposited Chitosan/Eudragit E 100/AgNPs Composite Coatings on Titanium Substrate as a Silver Release System. <i>Materials</i> , 2021, 14, 4533.	1.3	15
25	From Structure to Luminescent Properties of B2O3-Bi2O3-SrF2 Glass and Glass-Ceramics Doped with Eu ³⁺ Ions. <i>Materials</i> , 2021, 14, 4490.	1.3	14
26	Nano- and microcrystals of doped niobates. <i>Crystal Research and Technology</i> , 2010, 45, 1225-1228.	0.6	13
27	Perovskites in Solid Oxide Fuel Cells. <i>Solid State Phenomena</i> , 0, 183, 65-70.	0.3	12
28	Water uptake analysis of acceptor-doped lanthanum orthoniobates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 225-232.	2.0	12
29	Electric and magnetic properties of lanthanum barium cobaltite. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1809-1818.	1.9	12
30	The new silica-based coated SPME fiber as universal support for the confinement of ionic liquid as an extraction medium. <i>Separation and Purification Technology</i> , 2020, 252, 117411.	3.9	12
31	Structural Properties and Water Uptake of SrTi _{1-x} FexO _{3-x/2} . <i>Materials</i> , 2020, 13, 965.	1.3	12
32	Structure and electrical properties of ceramic proton conductors obtained with molten-salt and solid-state synthesis methods. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1976-1979.	1.5	11
33	Heat capacities and thermodynamic properties of antimony substituted lanthanum orthoniobates. <i>Ceramics International</i> , 2016, 42, 7054-7059.	2.3	11
34	Evolution of magnetic and transport properties in (Cr _{1-x} Mnx) ₂ AlC MAX-phase synthesized by arc melting technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 493, 165642.	1.0	10
35	Signature of Oxide-Ion Conduction in Alkaline-Earth-Metal-Doped Y ₃ GaO ₆ . <i>ACS Omega</i> , 2020, 5, 30395-30404.	1.6	10
36	Chitosan/poly(4-vinylpyridine) coatings formed on AgNPs-decorated titanium. <i>Materials Letters</i> , 2022, 319, 132293.	1.3	10

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37	Synthesis of acceptor-doped BaCeZrO perovskites. <i>Crystal Research and Technology</i> , 2010, 45, 1251-1257.	1.6	9
38	Effects of Surface Pretreatment of Titanium Substrates on Properties of Electrophoretically Deposited Biopolymer Chitosan/Eudragit E 100 Coatings. <i>Coatings</i> , 2021, 11, 1120.	1.2	9
39	Terbium Substituted Lanthanum Orthoniobate: Electrical and Structural Properties. <i>Crystals</i> , 2019, 9, 91.	1.0	8
40	Systematic Water Uptake Energetics of Yttrium-Doped Barium Zirconate—A High Resolution Thermochemical Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11308-11316.	1.5	8
41	Two-step synthesis of niobium doped NaCa(Mg)PâSiO glasses. <i>Journal of Materials Science</i> , 2021, 56, 7613-7625.	1.7	8
42	High-Temperature Proton Conduction in LaSbO ₄ . <i>Chemistry - A European Journal</i> , 2021, 27, 5393-5398.	1.7	7
43	Antimony substituted lanthanum orthoniobate proton conductor — Structure and electronic properties. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6575-6585.	1.9	6
44	The Influence of Nanometals, Dispersed in the Electrophoretic Nanohydroxyapatite Coatings on the Ti ₁₃ Zr ₁₃ Nb Alloy, on Their Morphology and Mechanical Properties. <i>Materials</i> , 2021, 14, 1638.	1.3	6
45	Fabrication and Structural Properties of LaNb _{1-x} As _x O ₄ Ceramics. <i>ChemistrySelect</i> , 2019, 4, 8645-8651.	0.7	5
46	Synthesis, microstructure and electrical properties of nanocrystalline calcium doped lanthanum orthoniobate. <i>Journal of Solid State Chemistry</i> , 2019, 270, 601-607.	1.4	5
47	Conductivity, structure, and thermodynamics of Y ₂ Ti ₂ O ₇ —Y ₃ NbO ₇ solid solutions. <i>Dalton Transactions</i> , 2020, 49, 10839-10850.	1.6	5
48	Praseodymium Orthoniobate and Praseodymium Substituted Lanthanum Orthoniobate: Electrical and Structural Properties. <i>Materials</i> , 2022, 15, 2267.	1.3	5
49	Characterization of CaTi _{0.9} Fe _{0.1} O ₃ /La _{0.98} Mg _{0.02} NbO ₄ composite. <i>Open Physics</i> , 2013, 11, .	0.8	4
50	Thermochemistry of rare earth perovskites Na ₃ RE _{0.67} xTiO ₃ (RE = La, Ce). <i>American Mineralogist</i> , 2016, 101, 1125-1128.	0.9	4
51	Structural and electrical properties of titanium-doped yttrium niobate. <i>Journal of Alloys and Compounds</i> , 2018, 767, 1186-1195.	2.8	4
52	Structure and transport properties of triple-conducting Ba _x Sr _{1-x} Ti _{1-y} Fe _y O ₃ oxides. <i>RSC Advances</i> , 2021, 11, 19570-19578.	1.7	4
53	Insight into Potassium Vanadates as Visible-Light-Driven Photocatalysts: Synthesis of V(IV)-Rich Nano/Microstructures for the Photodegradation of Methylene Blue. <i>Inorganic Chemistry</i> , 2022, 61, 9433-9444.	1.9	4
54	Proton Conducting Ceramic Powder Synthesis by a Low Temperature Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3626-3635.	0.9	3

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55	Hebbâ€Wagner polarization method for determining the oxygen ion conductivity in barium cerate-zirconate. Journal of Materials Chemistry A, 2022, 10, 7218-7227.	5.2	3
56	Physicoâ€mechanical properties and flammability of PUR/PIR foams containing expandable graphite coreâ€shell composite particles. Polymer Composites, 2019, 40, 3805-3813.	2.3	2
57	Fe₃â€InSn_xO₆ (<i>x</i> = 0, 0.25, or 0.5): A Family of Corundum Derivatives with Sn-Induced Polarization and Above Room Temperature Antiferromagnetic Ordering. Chemistry of Materials, 2022, 34, 5020-5029.	3.2	2
58	High-temperature properties of titanium-substituted yttrium niobate. Journal of Materials Research, 2019, 34, 3312-3318.	1.2	1
59	Ceramic Conductors. Crystals, 2019, 9, 173.	1.0	1
60	Ceramic composites for single-layer fuel cells. Solid State Sciences, 2020, 101, 106113.	1.5	1
61	Proton-Electron Hole Interactions in Sr(Ti,Fe)O₃â€ Mixed-Conducting Perovskites. Journal of the Electrochemical Society, 2022, 169, 054522.	1.3	1
62	Microstructural Design of Ba_{0.5}La_{0.5}Co_{0.5}Fe_{0.5}O₃ Perovskite Ceramics. Materials, 2021, 14, 4656.	1.3	0