

# Aleksandra D Mielewczyk-GryÅ,,

## List of Publications by Year in descending order

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62  
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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hebbâ€“Wagner polarization method for determining the oxygen ion conductivity in barium cerate-zirconate. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7218-7227.	5.2	3
2	Praseodymium Orthoniobate and Praseodymium Substituted Lanthanum Orthoniobate: Electrical and Structural Properties. <i>Materials</i> , 2022, 15, 2267.	1.3	5
3	Chitosan/poly(4-vinylpyridine) coatings formed on AgNPs-decorated titanium. <i>Materials Letters</i> , 2022, 319, 132293.	1.3	10
4	Proton-Electron Hole Interactions in Sr(Ti,Fe)O <sub>3</sub> Mixed-Conducting Perovskites. <i>Journal of the Electrochemical Society</i> , 2022, 169, 054522.	1.3	1
5	Fe <sub>3</sub> InSn <sub>6</sub> O <sub>6</sub> ( <i>x</i> = 0, 0.25, or 0.5): A Family of Corundum Derivatives with Sn-Induced Polarization and Above Room Temperature Antiferromagnetic Ordering. <i>Chemistry of Materials</i> , 2022, 34, 5020-5029.	3.2	2
6	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
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	Structure and transport properties of triple-conducting Ba <sub>x</sub> Sr <sub>1-x</sub> Ti <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> oxides. <i>RSC Advances</i> , 2021, 11, 19570-19578.	1.7	4
9	High-Temperature Proton Conduction in LaSbO <sub>4</sub> . <i>Chemistry - A European Journal</i> , 2021, 27, 5393-5398.	1.7	7
10	The Influence of Nanometals, Dispersed in the Electrophoretic Nanohydroxyapatite Coatings on the Ti13Zr13Nb Alloy, on Their Morphology and Mechanical Properties. <i>Materials</i> , 2021, 14, 1638.	1.3	6
11	Microstructural Design of Ba <sub>0.5</sub> La <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>3</sub> Perovskite Ceramics. <i>Materials</i> , 2021, 14, 4656.	1.3	0
12	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
13	From Structure to Luminescent Properties of B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> -SrF <sub>2</sub> Glass and Glass-Ceramics Doped with Eu <sup>3+</sup> Ions. <i>Materials</i> , 2021, 14, 4490.	1.3	14
14	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
15	Two-step synthesis of niobium doped Na-Ca-(Mg)-P-Si-O glasses. <i>Journal of Materials Science</i> , 2021, 56, 7613-7625.	1.7	8
16	Electric and magnetic properties of lanthanum barium cobaltite. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1809-1818.	1.9	12
17	Evolution of magnetic and transport properties in (Cr <sub>1-x</sub> Mn <sub>x</sub> ) <sub>2</sub> AlC MAX-phase synthesized by arc melting technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 493, 165642.	1.0	10
18	Ceramic composites for single-layer fuel cells. <i>Solid State Sciences</i> , 2020, 101, 106113.	1.5	1

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19	Structure and water uptake in $BaLnCo_2O_{6-\delta}$ ( $Ln = La, Pr, Nd, Sm, Gd, Tb$ and $Dy$ ). <i>Acta Materialia</i> , 2020, 199, 297-310.	3.8	18
20	Conductivity, structure, and thermodynamics of $Y_{2-x}Ti_{2-x}O_{7-x}$ – $Y_3NbO_7$ solid solutions. <i>Dalton Transactions</i> , 2020, 49, 10839-10850.	1.6	5
21	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
22	Electrophoretic Deposition and Characterization of Chitosan/Eudragit E 100 Coatings on Titanium Substrate. <i>Coatings</i> , 2020, 10, 607.	1.2	21
23	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
24	High-Temperature Structural and Electrical Properties of $BaLnCo_2O_6$ Positrodes. <i>Materials</i> , 2020, 13, 4044.	1.3	15
25	Novel Class of Proton Conducting Materials – High Entropy Oxides. , 2020, 2, 1315-1321.		50
26	Signature of Oxide-Ion Conduction in Alkaline-Earth-Metal-Doped $Y_3GaO_6$ . <i>ACS Omega</i> , 2020, 5, 30395-30404.	1.6	10
27	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
28	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
29	Structural Properties and Water Uptake of $SrTi_{1-x}Fe_xO_{3-x/2}$ . <i>Materials</i> , 2020, 13, 965.	1.3	12
30	$Mn_xCo_{3-x}O_4$ 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
31	Electrophoretic Deposition and Characteristics of Chitosan – Nanosilver Composite Coatings on a Nanotubular $TiO_2$ Layer. <i>Coatings</i> , 2020, 10, 245.	1.2	20
32	Fabrication and Structural Properties of $LaNb_{1-x}As_xO_4$ Ceramics. <i>ChemistrySelect</i> , 2019, 4, 8645-8651.	0.7	5
33	High-temperature properties of titanium-substituted yttrium niobate. <i>Journal of Materials Research</i> , 2019, 34, 3312-3318.	1.2	1
34	Physico-mechanical properties and flammability of PUR/PIR foams containing expandable graphite core-shell composite particles. <i>Polymer Composites</i> , 2019, 40, 3805-3813.	2.3	2
35	Water uptake analysis of acceptor-doped lanthanum orthoniobates. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 225-232.	2.0	12
36	Terbium Substituted Lanthanum Orthoniobate: Electrical and Structural Properties. <i>Crystals</i> , 2019, 9, 91.	1.0	8

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37	Ceramic Conductors. Crystals, 2019, 9, 173.	1.0	1
38	Properties of Nanohydroxyapatite Coatings Doped with Nanocopper, Obtained by Electrophoretic Deposition on Ti13Zr13Nb Alloy. Materials, 2019, 12, 3741.	1.3	28
39	Synthesis, microstructure and electrical properties of nanocrystalline calcium doped lanthanum orthoniobate. Journal of Solid State Chemistry, 2019, 270, 601-607.	1.4	5
40	Praseodymium substituted lanthanum orthoniobate: Electrical and structural properties. Ceramics International, 2018, 44, 8210-8215.	2.3	16
41	Tailoring structural properties of lanthanum orthoniobates through an isovalent substitution on the Nb-site. Inorganic Chemistry Frontiers, 2018, 5, 2157-2166.	3.0	24
42	Structural and electrical properties of titanium-doped yttrium niobate. Journal of Alloys and Compounds, 2018, 767, 1186-1195.	2.8	4
43	Status report on high temperature fuel cells in Poland – Recent advances and achievements. International Journal of Hydrogen Energy, 2017, 42, 4366-4403.	3.8	55
44	Performance of a single layer fuel cell based on a mixed proton-electron conducting composite. Journal of Power Sources, 2017, 353, 230-236.	4.0	25
45	Thermochemistry of rare earth perovskites $\text{Na}_{3-x}\text{RE}_{0.67x}\text{TiO}_3$ (RE = La, Ce). American Mineralogist, 2016, 101, 1125-1128.	0.9	4
46	Influence of Sb-substitution on ionic transport in lanthanum orthoniobates. Journal of Materials Chemistry A, 2016, 4, 11696-11707.	5.2	30
47	Characterization of structural, thermal and mechanical properties of bismuth silicate glasses. Journal of Non-Crystalline Solids, 2016, 439, 51-56.	1.5	18
48	Heat capacities and thermodynamic properties of antimony substituted lanthanum orthoniobates. Ceramics International, 2016, 42, 7054-7059.	2.3	11
49	Enthalpies of formation of rare earth niobates, $\text{RE}_3\text{NbO}_7$ . American Mineralogist, 2015, 100, 1578-1583.	0.9	20
50	Characterization of magnesium doped lanthanum orthoniobate synthesized by molten salt route. Ceramics International, 2015, 41, 7847-7852.	2.3	17
51	Thermodynamics of solid phases containing rare earth oxides. Journal of Chemical Thermodynamics, 2015, 88, 126-141.	1.0	72
52	Formation enthalpies of $\text{LaLn}_3\text{O}_3$ ( $\text{Ln}_3 = \text{Ho, Er, Tm and Yb}$ ) interlanthanide perovskites. Journal of Solid State Chemistry, 2015, 227, 150-154.	1.4	28
53	Proton Conducting Ceramic Powder Synthesis by a Low Temperature Method. Journal of Nanoscience and Nanotechnology, 2015, 15, 3626-3635.	0.9	3
54	Influence of antimony substitution on spontaneous strain and thermodynamic stability of lanthanum orthoniobate. Ceramics International, 2015, 41, 2128-2133.	2.3	25

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55	Effect of isovalent substitution on microstructure and phase transition of $\text{LaNb}_{1-x}\text{MO}_4$ (M=Sb, V or Ta); Tj ETQq1 1.0.784314.32rgBT /Ov	1.4	32
56	Characterization of $\text{CaTi}_{0.9}\text{Fe}_{0.1}\text{O}_3/\text{La}_{0.98}\text{Mg}_{0.02}\text{NbO}_4$ composite. Open Physics, 2013, 11, .	0.8	4
57	High temperature monoclinic-to-tetragonal phase transition in magnesium doped lanthanum ortho-niobate. Ceramics International, 2013, 39, 4239-4244.	2.3	15
58	Optimization of microstructure and properties of acceptor-doped barium cerate. Solid State Ionics, 2012, 225, 245-249.	1.3	16
59	Nano- and microcrystals of doped niobates. Crystal Research and Technology, 2010, 45, 1225-1228.	0.6	13
60	Synthesis of acceptor-doped $\text{BaCeZrO}$ perovskites. Crystal Research and Technology, 2010, 45, 1251-1257.	0.6	9
61	Structure and electrical properties of ceramic proton conductors obtained with molten-salt and solid-state synthesis methods. Journal of Non-Crystalline Solids, 2010, 356, 1976-1979.	1.5	11
62	Perovskites in Solid Oxide Fuel Cells. Solid State Phenomena, 0, 183, 65-70.	0.3	12