

Doreen D Edwards

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1383532/publications.pdf>

Version: 2024-02-01

48
papers

1,660
citations

279798

23
h-index

276875

41
g-index

51
all docs

51
docs citations

51
times ranked

2016
citing authors

#	ARTICLE	IF	CITATIONS
1	The critical role of point defects in improving the specific capacitance of γ -MnO ₂ nanosheets. <i>Nature Communications</i> , 2017, 8, 14559.	12.8	208
2	Phase Relationships and Physical Properties of Homologous Compounds in the Zinc Oxide–Indium Oxide System. <i>Journal of the American Ceramic Society</i> , 1998, 81, 1310-1316.	3.8	172
3	A new transparent conducting oxide in the Ga ₂ O ₃ –In ₂ O ₃ –SnO ₂ system. <i>Applied Physics Letters</i> , 1997, 70, 1706-1708.	3.3	162
4	Point defects and electrical properties of Sn-doped In-based transparent conducting oxides. <i>Solid State Ionics</i> , 2000, 129, 135-144.	2.7	83
5	Phase stability of BSCF in low oxygen partial pressures. <i>Journal of Solid State Chemistry</i> , 2008, 181, 576-586.	2.9	82
6	Phase Equilibria in the Ga ₂ O ₃ In ₂ O ₃ System. <i>Journal of the American Ceramic Society</i> , 1997, 80, 253-257.	3.8	72
7	Oxygen stoichiometry, electrical conductivity, and thermopower measurements of BSCF (Ba _{0.5} Sr _{0.5} Co _x Fe _{1-x} O _{3-δ} , 0 \leq x \leq 0.8) in air. <i>Solid State Ionics</i> , 2010, 181, 1287-1293.	2.7	64
8	X-ray photoelectron (XPS) and Diffuse Reflectance Infra Fourier Transformation (DRIFT) study of Ba _{0.5} Sr _{0.5} Co _x Fe _{1-x} O _{3-δ} (BSCF: x=0–0.8) ceramics. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2238-2243.	2.9	64
9	Charge Transport by Polyatomic Anion Diffusion in Sc ₂ (WO ₄) ₃ . <i>Chemistry of Materials</i> , 2008, 20, 6335-6345.	6.7	54
10	Microstructural and High-Temperature Electrical Characterization of La _{1-x} Sr _x FeO ₃ ???. <i>Journal of Electroceramics</i> , 2005, 14, 193-198.	2.0	53
11	Subsolidus Phase Relations in the Ga ₂ O ₃ –In ₂ O ₃ –SnO ₂ System. <i>Journal of the American Ceramic Society</i> , 1998, 81, 3285-3292.	3.8	52
12	p-Type thermoelectric properties of the oxygen-deficient perovskite Ca ₂ Fe ₂ O ₅ in the brownmillerite structure. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1670-1677.	2.9	52
13	Sulfur-resistant and regenerable Ni/Co spinel-based catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , 2015, 5, 4565-4574.	4.1	41
14	The electronic conductivity of Ba _{0.5} Sr _{0.5} Co _x Fe _{1-x} O _{3-δ} (BSCF: x=0–1.0) under different oxygen partial pressures. <i>Journal of Electroceramics</i> , 2010, 24, 261-269.	2.0	34
15	Subsolidus Phase Relationships in the Ga ₂ O ₃ –Al ₂ O ₃ –TiO ₂ System. <i>Journal of the American Ceramic Society</i> , 2005, 88, 2573-2577.	3.8	33
16	Evaluation of Co and perovskite Cr-blocking thin films on SOFC interconnects. <i>Solid State Ionics</i> , 2010, 181, 1294-1302.	2.7	30
17	X-ray photoelectron study on Ba _{0.5} Sr _{0.5} Co _x Fe _{1-x} O _{3-δ} (BSCF: x=0.2 and 0.8) ceramics annealed at different temperature and pO ₂ . <i>Journal of Materials Science</i> , 2011, 46, 7415-7422.	3.7	30
18	Effect of Oxygen Partial Pressure on the Dielectric Properties and Microstructures of Cofired Base-Metal-Electrode Multilayer Ceramic Capacitors. <i>Journal of the American Ceramic Society</i> , 2006, 89, 894-901.	3.8	28

#	ARTICLE	IF	CITATIONS
19	A Structural Investigation of $\text{Ga}_{3-x}\text{In}_{5+x}\text{Sn}_2\text{O}_{16}$. Journal of Solid State Chemistry, 1998, 140, 242-250.	2.9	24
20	Tunneled Intergrowth Structures in the $\text{Ga}_2\text{O}_3\text{-In}_2\text{O}_3\text{-SnO}_2$ System. Journal of Solid State Chemistry, 2000, 150, 294-304.	2.9	24
21	Subsolidus phase relations and crystal structures of the mixed-oxide phases in the $\text{In}_2\text{O}_3\text{-WO}_3$ system. Journal of Solid State Chemistry, 2004, 177, 2740-2748.	2.9	24
22	Effect of Current on Diffusivity in Metal Hexaborides: A Spark Plasma Sintering Study. ACS Applied Materials & Interfaces, 2017, 9, 37357-37363.	8.0	23
23	Phase Stability of Mixed-Cation Alkaline-Earth Hexaborides. Crystal Growth and Design, 2017, 17, 3450-3461.	3.0	21
24	Surface termination analysis of stoichiometric metal hexaborides: Insights from first-principles and XPS measurements. Acta Materialia, 2018, 144, 187-201.	7.9	21
25	Experimental limitations in impedance spectroscopy of cement-based materials. Advances in Cement Research, 1998, 10, 143-150.	1.6	15
26	Sol-gel deposition and characterization of $\text{In}_6\text{WO}_{12}$ thin films. Thin Solid Films, 2002, 411, 192-197.	1.8	15
27	Structural behavior and thermoelectric properties of the brownmillerite system $\text{Ca}_2(\text{Zn}_x\text{Fe}_{2-x})\text{O}_5$. Journal of Solid State Chemistry, 2011, 184, 2167-2177.	2.9	15
28	Seebeck coefficient and electrical conductivity of BSCF ($\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_x\text{Fe}_{1-x}\text{O}_{3-\delta}$; $0 \leq x \leq 0.8$) as a function of temperature and partial oxygen pressure. Solid State Ionics, 2012, 206, 50-56.	2.7	15
29	Dielectric Properties and Microstructures of $\text{Ba}(\text{Ti},\text{Zr})\text{O}_3$ Multilayer Ceramic Capacitors with Ni Electrodes. Journal of the American Ceramic Society, 2005, 88, 1455-1460.	3.8	14
30	Charge transfer in $\text{In}_2\text{W}_3\text{O}_{12}$ and $\text{In}_6\text{WO}_{12}$ ceramics. Solid State Ionics, 2008, 178, 1714-1718.	2.7	12
31	Kinetic demixing/decomposition of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ ($x = 0.2$ and 0.8). Journal of the European Ceramic Society, 2012, 32, 3733-3743.	5.7	12
32	New Methods for Preparing Submicrometer Powders of The Tungstate-Ion Conductor $\text{Sc}_2(\text{WO}_4)_3$ and its Al and In Analogs. Journal of the American Ceramic Society, 2013, 96, 2402-2410.	3.8	12
33	Spectral selectivity of composite enamel coatings on 321 stainless steel. Solar Energy Materials and Solar Cells, 2009, 93, 1404-1410.	6.2	11
34	Self-Supported Lithium Titanium Oxide Nanosheet Arrays Decorated with Molybdenum Disulfide for High-Performance Lithium-Ion Batteries. Energy Technology, 2016, 4, 1420-1426.	3.8	11
35	Phase stability and structure of alkali doped-beta-gallia rutile intergrowths. Solid State Ionics, 2006, 177, 77-87.	2.7	10
36	Synthesis and transport studies of one-dimensional ion conductors: $\text{AxGa}_4\text{XTi}_2\text{O}_8$ ($\text{A}=\text{Li}, \text{Na}, \text{K}$). Solid State Ionics, 2006, 177, 1897-1900.	2.7	8

#	ARTICLE	IF	CITATIONS
37	Solid solubility and electrical conduction mechanisms in 3-layer Aurivillius ceramics. <i>Solid State Ionics</i> , 2007, 178, 1175-1179.	2.7	6
38	A comparison of the photocatalytic activity of six tunneled titanates. <i>Journal of Solid State Chemistry</i> , 2013, 200, 189-196.	2.9	5
39	Phase formation and stability of polycrystalline $\text{Na}_x\text{Ga}_{4+x}\text{Ti}_{1-x}\text{O}_8$, ($x \sim 0.7$). <i>Solid State Ionics</i> , 2008, 179, 878-880.	2.7	4
40	Nanodomains and local structure in ternary alkaline-earth hexaborides. <i>Journal of Applied Crystallography</i> , 2018, 51, 1445-1454.	4.5	4
41	Atomic Force Microscopy Study of the Interaction of DNA and Nanostructured β -Gallia Rutile. <i>Langmuir</i> , 2006, 22, 7658-7663.	3.5	3
42	Systematic Study of Transparent Conductors in the (Zinc, Gallium)-Indium-Tin Oxide Systems. <i>Materials Research Society Symposia Proceedings</i> , 1998, 508, 309.	0.1	2
43	Formation and structural refinements of tunneled intergrowth phases in the $\text{Ga}_2\text{O}_3\text{-In}_2\text{O}_3\text{-SnO}_2\text{-TiO}_2$ system. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2755-2762.	2.9	2
44	Thermoelectric properties and impedance spectroscopy of polycrystalline samples of the beta-gallia rutile intergrowth, $(\text{Ga,In})_4(\text{Sn,Ti})_5\text{O}_{16}$. <i>Journal of Solid State Chemistry</i> , 2012, 191, 129-135.	2.9	1
45	Phase Equilibria and Properties of Transparent Conductors in the Indium-Tin-Zinc Oxide System. <i>Materials Research Society Symposia Proceedings</i> , 1997, 471, 93.	0.1	0
46	Phase Stability of Beta-gallia Rutile Intergrowths: $(\text{Ga,In})_4(\text{Sn,Ti})_n\text{-4O}_{2n-2}$. <i>Materials Research Society Symposia Proceedings</i> , 2002, 756, 1.	0.1	0
47	Phase Equilibria in the $\text{In}_2\text{O}_3\text{-WO}_3$ System. <i>Materials Research Society Symposia Proceedings</i> , 2002, 756, 1.	0.1	0
48	Hydrothermal synthesis of powders in the Ga-Mn-O-H system. <i>Solid State Sciences</i> , 2007, 9, 914-923.	3.2	0