

Yen-Pei Fu

List of Publications by Year in descending order

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133
papers

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185998

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136
docs citations

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times ranked

2982
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#	ARTICLE	IF	CITATIONS
1	Preparation and Characterization of Samaria ²⁺ -Doped Ceria Electrolyte Materials for Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , 2008, 91, 127-131.	1.9	111
2	Fe/Sr ratio effect on magnetic properties of strontium ferrite powders synthesized by microwave-induced combustion process. <i>Journal of Alloys and Compounds</i> , 2005, 386, 222-227.	2.8	100
3	Preparation and characterization of Ce _{0.8} M _{0.2} O ₂ (M=Y, Gd, Sm, Nd, La) solid electrolyte materials for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 745-752.	3.8	100
4	Preparation and characterization of Y ₃ Al ₅ O ₁₂ :Ce and Y ₂ O ₃ :Eu phosphors powders by combustion process. <i>Journal of Alloys and Compounds</i> , 2008, 458, 318-322.	2.8	76
5	Facile synthesis of hierarchically nanostructured bismuth vanadate: An efficient photocatalyst for degradation and detection of hexavalent chromium. <i>Journal of Hazardous Materials</i> , 2019, 367, 647-657.	6.5	66
6	Preparation of ultrafine CeO ₂ powders by microwave-induced combustion and precipitation. <i>Journal of Alloys and Compounds</i> , 2005, 391, 110-114.	2.8	56
7	Electrical and magnetic properties of magnesium-substituted lithium ferrite. <i>Ceramics International</i> , 2010, 36, 1311-1317.	2.3	56
8	Preparation of Y ₃ Al ₅ O ₁₂ :Ce powders by microwave-induced combustion process and their luminescent properties. <i>Journal of Alloys and Compounds</i> , 2006, 414, 181-185.	2.8	55
9	Preparation and characterization of Ti ⁴⁺ -doped LiFePO ₄ cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2009, 189, 440-444.	4.0	55
10	Solid-state synthesis of ceramics in the BaO-SrO-Al ₂ O ₃ -SiO ₂ system. <i>Ceramics International</i> , 2004, 30, 41-45.	2.3	53
11	Photocatalytic 4-nitrophenol degradation and oxygen evolution reaction in CuO/g-C ₃ N ₄ composites prepared by deep eutectic solvent-assisted chlorine doping. <i>Dalton Transactions</i> , 2019, 48, 8594-8610.	1.6	48
12	Microwave-induced combustion synthesis of Ni _{0.25} Cu _{0.25} Zn _{0.5} ferrite powders and their characterizations. <i>Materials Letters</i> , 2002, 57, 291-296.	1.3	47
13	Effects of surface hydroxyl group density on the photocatalytic activity of Fe ³⁺ -doped TiO ₂ . <i>Journal of Alloys and Compounds</i> , 2015, 632, 326-334.	2.8	47
14	Reduced graphene oxide-supported Ag-loaded Fe-doped TiO ₂ for the degradation mechanism of methylene blue and its electrochemical properties. <i>RSC Advances</i> , 2018, 8, 6488-6501.	1.7	45
15	CuIn _{1-x} Ga _x Se ₂ Absorber Layer Fabricated by Pulse-Reverse Electrodeposition Technique for Thin Films Solar Cell. <i>Journal of the Electrochemical Society</i> , 2009, 156, D553.	1.3	44
16	Strontium hexaferrite powders prepared by a microwave-induced combustion process and some of their properties. <i>Journal of Alloys and Compounds</i> , 2003, 349, 228-231.	2.8	43
17	Li _{0.5} Fe _{2.5-x} Mn _x O ₄ ferrite sintered from microwave-induced combustion. <i>Solid State Communications</i> , 2005, 134, 201-206.	0.9	43
18	Magnetic recyclable photocatalysts of Ni-Cu-Zn ferrite@SiO ₂ @TiO ₂ @Ag and their photocatalytic activities. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 334, 74-85.	2.0	42

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19	Investigation of the structural, optical and crystallographic properties of Bi ₂ WO ₆ /Ag plasmonic hybrids and their photocatalytic and electron transfer characteristics. Dalton Transactions, 2019, 48, 10235-10250.	1.6	41
20	Preparation and magnetic properties of Ni _{0.25} Cu _{0.25} Zn _{0.5} ferrite from microwave-induced combustion. Journal of Magnetism and Magnetic Materials, 2004, 283, 59-64.	1.0	40
21	Magnetic and catalytic properties of copper ferrite nanopowders prepared by a microwave-induced combustion process. Ceramics International, 2010, 36, 1597-1601.	2.3	40
22	Development of versatile CdMoO ₄ /g-C ₃ N ₄ nanocomposite for enhanced photoelectrochemical oxygen evolution reaction and photocatalytic dye degradation applications. Materials Today Chemistry, 2021, 19, 100392.	1.7	35
23	Preparation and characterization of neodymium-doped ceria electrolyte materials for solid oxide fuel cells. Ceramics International, 2010, 36, 483-490.	2.3	34
24	Electrical conductivity and magnetic properties of Li _{0.5} Fe _{2.5} xCr _x O ₄ ferrite. Materials Chemistry and Physics, 2009, 115, 334-338.	2.0	33
25	Bi-functional Ag-Cu _x O/g-C ₃ N ₄ hybrid catalysts for the reduction of 4-nitrophenol and the electrochemical detection of dopamine. Dalton Transactions, 2020, 49, 625-637.	1.6	32
26	Tailoring the Ca-doped bismuth ferrite for electrochemical oxygen evolution reaction and photocatalytic activity. Applied Surface Science, 2021, 540, 148387.	3.1	32
27	Electrical, thermal and electrochemical properties of SmBa _{1-x} Sr _x Co ₂ O _{5+δ} cathode materials for intermediate-temperature solid oxide fuel cells. Electrochimica Acta, 2016, 204, 118-127.	2.6	30
28	Microwave-induced combustion synthesis of Ni _{1-x} Zn _x ferrite powder and its characterization. Journal of Magnetism and Magnetic Materials, 2002, 251, 74-79.	1.0	29
29	Ionic conductivity and mechanical properties of Y ₂ O ₃ -doped CeO ₂ ceramics synthesis by microwave-induced combustion. Ceramics International, 2009, 35, 653-659.	2.3	29
30	Microwave properties of chromium-substituted lithium ferrite. Ceramics International, 2009, 35, 2179-2184.	2.3	28
31	Structure characterization and mechanical properties of CeO ₂ -ZrO ₂ solid solution system. Ceramics International, 2009, 35, 3005-3011.	2.3	28
32	Chemical bulk diffusion and electrochemical properties of SmBa _{0.6} Sr _{0.4} Co ₂ O _{5+δ} cathode for intermediate solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 20783-20790.	3.8	28
33	Effect of rare-earth ions doped in BaCeO ₃ on chemical stability, mechanical properties, and conductivity properties. Ceramics International, 2014, 40, 10793-10802.	2.3	28
34	Facile synthesis of deep eutectic solvent assisted BiOCl/BiVO ₄ @AgNWs plasmonic photocatalysts under visible light enhanced catalytic performance. Catalysis Today, 2017, 297, 246-254.	2.2	28
35	Electrochemical characterization of gradient Sm _{0.5} Sr _{0.5} CoO _{3+δ} cathodes on Ce _{0.8} Sm _{0.2} O _{1.9} electrolytes for solid oxide fuel cells. Ceramics International, 2012, 38, 1557-1562.	2.3	26
36	Preparation and characterization of Y ₂ O ₃ :Eu phosphors by combustion process. Journal of Materials Science, 2007, 42, 5165-5169.	1.7	25

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37	Electrochemical Properties of $\text{La}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{M}_{0.2}\text{O}_{3-\delta}$ (M=Mn, Fe, Ni, Ti) TiO_2 1.9-1.25 2016, 99, 1345-1352.	1.9	10,784314
38	Microwave-induced combustion synthesis of $\text{Li}_{0.5}\text{Fe}_{2.5}\text{Cr}_x\text{O}_4$ powder and their characterization. Materials Research Bulletin, 2006, 41, 809-816.	2.7	24
39	Microwave-induced combustion synthesis of $\text{Li}_{0.5}\text{Fe}_{2.5}\text{M}_x\text{O}_4$ (M=Al, Cr, Mn) powder and their characterization. Journal of Alloys and Compounds, 2005, 395, 272-276.	2.8	22
40	Microwave-induced combustion synthesis of $\text{Li}_{0.5}\text{Fe}_{2.5}\text{O}_4$ powder and their characterization. Journal of Alloys and Compounds, 2005, 395, 247-251.	2.8	22
41	Aqueous tape casting and crystallization behavior of gadolinium-doped ceria. Ceramics International, 2009, 35, 3153-3159.	2.3	22
42	Preparation of Y_2O_3 -doped CeO_2 nanopowders by microwave-induced combustion process. Journal of Alloys and Compounds, 2005, 389, 165-168.	2.8	21
43	Electrochemical characteristic of $\text{LiMn}_{1.925}\text{M}_{0.075}\text{O}_4$ (M=Cr, Co) cathode materials synthesized by the microwave-induced combustion method. Journal of Power Sources, 2006, 159, 215-218.	4.0	21
44	Effect of bismuth addition on the electrical conductivity of gadolinium-doped ceria ceramics. Journal of the European Ceramic Society, 2008, 28, 85-90.	2.8	21
45	$\text{Sm}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.4}\text{Ni}_{0.6}\text{O}_{3-\delta}$ as a potential cathode for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2010, 35, 8663-8669.	3.8	21
46	Characterizations of $\text{TiO}_2/\text{SiO}_2/\text{Ni-Cu-Zn}$ Ferrite Composite for Magnetic Photocatalysts. Journal of the American Ceramic Society, 2015, 98, 2803-2811.	1.9	21
47	Influence of cobalt substitution on the crystal structure, band edges and photocatalytic properties of hierarchical Bi_2WO_6 microspheres. New Journal of Chemistry, 2019, 43, 9170-9182.	1.4	21
48	Preparation of $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Cr}$ powders by microwave-induced combustion process and their luminescent properties. Journal of Alloys and Compounds, 2005, 395, 227-230.	2.8	20
49	$\text{LiMn}_{2-y}\text{MyO}_4$ (M=Cr, Co) cathode materials synthesized by the microwave-induced combustion for lithium ion batteries. Journal of Alloys and Compounds, 2006, 426, 228-234.	2.8	20
50	Characterizations of $\text{TiO}_2@\text{Mn-Zn}$ ferrite powders for magnetic photocatalyst prepared from used alkaline batteries and waste steel pickling liquor. Materials Research Bulletin, 2014, 50, 178-182.	2.7	20
51	Effect of Fe-doped TiO_2 photocatalysts on the degradation of acid orange 7. Integrated Ferroelectrics, 2016, 168, 1-9.	0.3	20
52	Study of oxidation states of Fe- and Co-doped TiO_2 photocatalytic energy materials and their visible-light-driven photocatalytic behavior. International Journal of Hydrogen Energy, 2019, 44, 15892-15906.	3.8	20
53	Characterization of nanosized $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ -infiltrated $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Cu}_{0.2}\text{O}_{3-\delta}$ cathodes for solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 19027-19035.	3.8	19
54	Chemical bulk diffusion coefficient of $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ cathode for solid oxide fuel cells. Journal of Power Sources, 2013, 240, 168-177.	4.0	19

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55	Effect of TiO ₂ ratio on BaO–Nd ₂ O ₃ –TiO ₂ microwave ceramics. <i>Ceramics International</i> , 2005, 31, 667-670.	2.3	18
56	Preparation of Y ₃ Al ₅ O ₁₂ :Sm powders by microwave-induced combustion process and their luminescent properties. <i>Journal of Alloys and Compounds</i> , 2006, 419, 197-200.	2.8	18
57	Aqueous processing of Ce _{0.8} Sm _{0.2} O _{1.9} green tapes. <i>Ceramics International</i> , 2009, 35, 821-825.	2.3	18
58	Synthesis and characterization of anatase TiO ₂ nanolayer coating on Ni–Cu–Zn ferrite powders for magnetic photocatalyst. <i>Journal of Materials Research</i> , 2010, 25, 134-140.	1.2	18
59	Electrochemical performance of La _{0.9} Sr _{0.1} Co _{0.8} Ni _{0.2} O ₃ –Ce _{0.8} Sm _{0.2} O _{1.9} composite cathode for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5574-5580.	3.8	18
60	Recycling technology—Artificial lightweight aggregates synthesized from sewage sludge and its ash at lowered melting temperature. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 740-748.	1.3	18
61	Codoped Ceria Ce _{0.8} M _{0.1} Gd _{0.1} O ₂ (M = Tj, ET, Qq) 1 0.784314 rgBT /Overlook Cerium–Na ₂ CO ₃ Nanocomposite Electrolytes for Solid Oxide Fuel Cells. <i>ACS Applied Nano Materials</i> , 2019, 2, 6300-6311.	2.4	18
62	Preparation of Y ₃ Al ₅ O ₁₂ :Eu powders by microwave-induced combustion process and their luminescent properties. <i>Journal of Alloys and Compounds</i> , 2005, 402, 233-236.	2.8	17
63	Microwave-induced combustion synthesis and electrical conductivity of Ce _{1-x} Gd _x O ₂ ceramic. <i>Materials Research Bulletin</i> , 2006, 41, 2260-2267.	2.7	17
64	Effect of Bi ₂ O ₃ and B ₂ O ₃ additives on the sintering temperature, microstructure, and microwave dielectric properties for Sm(Mg _{0.5} Ti _{0.5})O ₃ ceramics. <i>Ceramics International</i> , 2011, 37, 1025-1031.	2.3	17
65	Effect of Sm co-doping on structural, mechanical and electrical properties of Gd doped ceria solid electrolytes for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29690-29704.	3.8	17
66	Deep Eutectic Solvent-Assisted Synthesis of Ternary Heterojunctions for the Oxygen Evolution Reaction and Photocatalysis. <i>ChemSusChem</i> , 2020, 13, 2726-2738.	3.6	17
67	A multifunctional Ni-doped iron pyrite/reduced graphene oxide composite as an efficient counter electrode for DSSCs and as a non-enzymatic hydrogen peroxide electrochemical sensor. <i>Dalton Transactions</i> , 2020, 49, 8516-8527.	1.6	16
68	PANI/g-C ₃ N ₄ composite over ZnCo ₂ O ₄ /Ni-foam, a bi-functional electrode as a supercapacitor and electrochemical glucose sensor. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3987-4001.	2.5	16
69	Electrochemical properties of LiMn ₂ O ₄ synthesized by the microwave-induced combustion method. <i>Ceramics International</i> , 2004, 30, 1953-1959.	2.3	15
70	Microwave-induced combustion synthesis of Li _{0.5} Fe _{2.5-x} Mn _x O ₄ powder and their characterization. <i>Journal of Alloys and Compounds</i> , 2005, 391, 185-189.	2.8	14
71	Electrochemical Properties of Solid–Liquid Interface of Cu _{1-x} Ga _x Se ₂ Prepared by Electrodeposition with Various Gallium Concentrations. <i>Journal of the Electrochemical Society</i> , 2009, 156, E133.	1.3	14
72	Non-isothermal crystallization kinetics and microwave properties of Bi _{0.75} Y _{2.25} Fe ₅ O ₁₂ prepared by coprecipitation. <i>Ceramics International</i> , 2009, 35, 559-564.	2.3	14

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73	Effect of potassium substituted for A-site of SrCe _{0.95} Y _{0.05} O ₃ on microstructure, conductivity and chemical stability. <i>Ceramics International</i> , 2015, 41, 2948-2954.	2.3	14
74	Fe/Ba Ratio Effect on Magnetic Properties of Barium Ferrite Powders Prepared by Microwave-Induced Combustion. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 2681-2684.	0.8	13
75	Barium ferrite powders prepared by microwave-induced combustion process and some of their properties. <i>Journal of Alloys and Compounds</i> , 2004, 364, 221-224.	2.8	13
76	Microwave-induced combustion synthesis and electrical properties of Ce _{1-x} Sm _x O _{2-1/2x} ceramics. <i>Journal of Power Sources</i> , 2006, 159, 38-41.	4.0	13
77	Comparison of the microwave-induced combustion and solid-state reaction for the synthesis of LiMn ₂ O ₄ powder and their electrochemical properties. <i>Ceramics International</i> , 2009, 35, 3463-3468.	2.3	13
78	Effect of Bi ₂ O ₃ additives on sintering and microwave dielectric behavior of La(Mg _{0.5} Ti _{0.5})O ₃ ceramics. <i>Ceramics International</i> , 2010, 36, 1239-1244.	2.3	13
79	Electrical conduction behaviors of isovalent and acceptor dopants on B site of (La _{0.8} Ca _{0.2})CrO ₃ perovskites. <i>Ceramics International</i> , 2011, 37, 2127-2134.	2.3	13
80	Preparation and characterization of ceramic interconnect La _{0.8} Ca _{0.2} Cr _{0.9} M _{0.1} O ₃ (M=Al, Co, Cu, Fe) for IT-SOFCs. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 747-754.	3.8	13
81	Resource recycling through artificial lightweight aggregates from sewage sludge and derived ash using boric acid flux to lower co-melting temperature. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 262-269.	0.9	13
82	Characterization of Mn?Zn Ferrite Prepared by a Hydrothermal Process From Used Dry Batteries and Waste Steel Pickling Liquor. <i>Journal of the American Ceramic Society</i> , 2007, 90, 3349-3352.	1.9	12
83	Formation enthalpy and magnetic properties of Bi-YIG powders. <i>Ceramics International</i> , 2009, 35, 1509-1512.	2.3	12
84	Characterization of Ni?Cu?Zn Ferrite Prepared from Steel Pickling Liquor and Waste Solutions of Electroplating. <i>Journal of the American Ceramic Society</i> , 2006, 89, 3547-3549.	1.9	11
85	Microwave-induced combustion synthesis of Li _{0.5} Fe _{2.5-x} Al _x O ₄ powder and their characterization. <i>Journal of Alloys and Compounds</i> , 2006, 421, 136-140.	2.8	10
86	Comparison of microwave-induced combustion and solid-state reaction method for synthesis of LiMn _{2-x} CoxO ₄ powders and their electrochemical properties. <i>Journal of Materials Science</i> , 2006, 41, 1157-1164.	1.7	10
87	Aqueous tape casting and crystallization kinetics of Ce _{0.8} La _{0.2} O _{1.9} powder. <i>Ceramics International</i> , 2009, 35, 609-615.	2.3	10
88	Electrical conduction behaviors and mechanical properties of Cu doping on B-site of (La _{0.8} Ca _{0.2})(Cr _{0.9} Co _{0.1})O ₃ interconnect materials for SOFCs. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13073-13082.	3.8	10
89	Utilizing Infrared Spectroscopy to Analyze the Interfacial Structures of Ionic Liquids/Al ₂ O ₃ and Ionic Liquids/Mica Mixtures under High Pressures. <i>Nanomaterials</i> , 2019, 9, 373.	1.9	10
90	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 3081-3084.	1.7	9

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91	Magnetic and thermal expansion properties of chromium-substituted lithium ferrite. <i>Ceramics International</i> , 2009, 35, 943-947.	2.3	9
92	$\text{Sm}_{0.5}\text{Sr}_{0.5}\text{Fe}_{0.8}\text{M}_{0.2}\text{O}_{3-\delta}$ (M = Co,) Tj ETQq0 0 0 rgBT /Over Energy and Fuels, 2021, 5, 4858-4868.	2.5	9
93	Microwave-induced combustion synthesis of yttrium iron garnet nano-powders and their characterizations. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2202-2204.	1.0	8
94	Microwave-induced combustion synthesis and ionic conductivity of $\text{Ce}_{0.8}(\text{Gd}_{0.2}\text{Sm})\text{O}_{1.90}$ ceramics. <i>Ceramics International</i> , 2008, 34, 2051-2057.	2.3	8
95	Preparation and Magnetic Properties of $\text{Ni}_{0.36}\text{Zn}_{0.64}$ Ferrite from Microwave-Induced Combustion. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1254-1257.	0.8	7
96	Ni-Cu-Zn Ferrite Powder Prepared from Steel Pickled Liquor and Electroplating Waste Solutions. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 1006-1008.	0.8	7
97	Comparison of the Electrochemical Properties of Infiltrated and Functionally Gradient $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ - $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ Composite Cathodes for Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2012, 159, B629-B634.	1.3	7
98	Characterization of $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{2-\delta}$ -infiltrated $\text{La}_{0.8}\text{Ca}_{0.2}\text{CoO}_{3-\delta}$ cathode for solid oxide fuel cells. <i>Ceramics International</i> , 2013, 39, 8411-8419.	2.3	7
99	Characterization of Fe-Cr alloy metallic interconnects coated with LSMO using the aerosol deposition process. <i>Materials Research Bulletin</i> , 2014, 51, 63-68.	2.7	7
100	Oxygen permeation, thermal expansion behavior and electrochemical properties of $\text{LaBa}_{0.5}\text{Sr}_{0.5}\text{Co}_{2}\text{O}_{5+\delta}$ cathode for SOFCs. <i>RSC Advances</i> , 2017, 7, 14487-14495.	1.7	7
101	Mn-Zn Ferrite Powder Preparation by Hydrothermal Process from Used Dry Batteries. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4040-4041.	0.8	6
102	Composite cathodes of $\text{La}_{0.9}\text{Ca}_{0.1}\text{Ni}_{0.5}\text{Co}_{0.5}\text{O}_{3-\delta}$ - $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ for solid oxide fuel cells. <i>Ceramics International</i> , 2011, 37, 231-239.	2.3	6
103	Chemical Bulk Diffusion Coefficient of a $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_{3-\delta}$ Cathode for Intermediate-temperature Solid Oxide Fuel Cells. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3230-3237.	1.9	6
104	Characterization of $\text{Li}_{0.5}\text{Fe}_{2.5-x}\text{Cr}_x\text{O}_4$ Ferrite Sintered from Microwave-Induced Combustion. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 7314.	0.8	5
105	The influence of sintering aids for $\text{Nd}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ microwave dielectric ceramics properties. <i>Ceramics International</i> , 2009, 35, 3195-3199.	2.3	5
106	Electrochemical Properties of Composite $(\text{Sm}_{0.5}\text{Sr}_{0.5})(\text{Co}_{0.8}\text{M}_{0.2})\text{O}_{3-\delta}$ (M=Cu, Mn) Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2012, 159, F426-F435.	1.3	5
107	Oxygen transportation, electrical conductivity and electrochemical properties of layered perovskite $\text{SmBa}_{0.5}\text{Sr}_{0.5}\text{Co}_2\text{O}_{5+\delta}$. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5284-5294.	3.8	5
108	Electrochemical and thermal properties of $\text{SmBa}_{0.5}\text{Sr}_{0.5}\text{Co}_2\text{O}_{5+\delta}$ cathode impregnated with $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ nanoparticles for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24338-24346.	3.8	5

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109	Synthesis of Sn and Zr-Doped BiVO ₄ Nanocatalyst with Enhanced Photocatalytic and Photoelectrochemical Activity. ChemistrySelect, 2022, 7, .	0.7	5
110	Nonisothermal Crystallization Kinetics of Bi _x Y _{3-2x} Fe ₅ O ₁₂ (0.25 ≤ x ≤ 1.00) Prepared from Coprecipitation Process. Journal of the American Ceramic Society, 2008, 91, 1214-1217.	1.9	4
111	Structural characterization and electron density distribution studies of (La _{0.8} Ca _{0.2})(Cr _{0.9-1-x} Co _{0.1} Mn _x)O ₃ . Physica B: Condensed Matter, 2016, 493, 25-34.	1.3	4
112	Structure, electrical, and thermal expansion properties of (La _{0.8} Ca _{0.2})(Cr _{0.9-1-x} Co _{0.1} Ni _x)O ₃ materials for intermediate temperature solid oxide fuel cells. Journal of Materials Research, 2009, 24, 1748-1755.	1.2	3
113	Crystallization behavior of Bi _{1.25} Y _{1.75} Fe ₅ O ₁₂ prepared by coprecipitation process. Ceramics International, 2009, 35, 3235-3239.	2.3	3
114	Characterization of Ni-Cu-Zn ferrite prepared from industrial wastes. Ceramics International, 2009, 35, 2325-2328.	2.3	3
115	Co-melting technology in resource recycling of sludge derived from stone processing. Journal of the Air and Waste Management Association, 2012, 62, 1449-1458.	0.9	3
116	Characterizations of Fe Doping on B-site of (La _{0.8} Ca _{0.2})(Cr _{0.9} Co _{0.1})O ₃ Interconnect Materials for SOFCs. Journal of the American Ceramic Society, 2015, 98, 2561-2569.	1.9	3
117	Double Perovskite LaSrCo _{1.6} Cu _{0.4} O ₅ Cathode for IT-SOFCs with Pulsed Laser Technique Deposited Bi-Layer Electrolyte. Journal of the Electrochemical Society, 2015, 162, F1029-F1035.	1.3	3
118	An analysis of SmBa _{0.5} Sr _{0.5} Co ₂ O ₅ +δ double perovskite oxide for intermediate-temperature solid oxide fuel cells. Eastern-European Journal of Enterprise Technologies, 2021, 2, 6-14.	0.3	3
119	Microwave-Induced Combustion Synthesis and Ion Conductivity of Ce _{1-x} La _x O _{2-1/2x} Ceramics. Japanese Journal of Applied Physics, 2006, 45, 5996-5999.	0.8	2
120	Yttrium iron garnet ceramic prepared from microwave-induced combustion. Journal of Electroceramics, 2008, 21, 677-680.	0.8	2
121	Tape Casting and Crystallization Kinetics of Ce _{0.8} Y _{0.2} O _{1.9} . Japanese Journal of Applied Physics, 2008, 47, 5567.	0.8	2
122	Electrical Conduction and Microstructure of Cobalt and Manganese Co-Doped (La _{0.8} Ca _{0.2})CrO ₃ Interconnect Materials. Journal of the Electrochemical Society, 2011, 158, B1150.	1.3	2
123	Chemical Waste and Allied Products. Water Environment Research, 2015, 87, 1312-1359.	1.3	2
124	Preparation and Charge Density in (Co, Fe)-Doped La-Ca-Based Chromite. Journal of Electronic Materials, 2016, 45, 4364-4374.	1.0	2
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