

Dah-Shyang Tsai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1469918/publications.pdf>

Version: 2024-02-01

147
papers

3,317
citations

126907

33
h-index

197818

49
g-index

148
all docs

148
docs citations

148
times ranked

4144
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructures and electrical properties of calcium substituted LaFeO ₃ as SOFC cathode. <i>Materials Chemistry and Physics</i> , 2007, 101, 297-302.	4.0	114
2	Raman scattering characterization of well-aligned RuO ₂ and IrO ₂ nanocrystals. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 737-749.	2.5	112
3	Structures and Electrochemical Capacitive Properties of RuO ₂ Vertical Nanorods Encased in Hydrous RuO ₂ . <i>Journal of Physical Chemistry C</i> , 2007, 111, 9530-9537.	3.1	84
4	Growth control and characterization of vertically aligned IrO ₂ nanorods. <i>Journal of Materials Chemistry</i> , 2003, 13, 2525.	6.7	79
5	Review of the Soft Sparking Issues in Plasma Electrolytic Oxidation. <i>Metals</i> , 2018, 8, 105.	2.3	78
6	Electrochemical capacitors of RuO ₂ nanophase grown on LiNbO ₃ (100) and sapphire(0001) substrates. <i>Journal of Materials Chemistry</i> , 2005, 15, 2122.	6.7	76
7	Structural Features of SnO ₂ Nanowires and Raman Spectroscopy Analysis. <i>Crystal Growth and Design</i> , 2009, 9, 3958-3963.	3.0	76
8	Field emission from vertically aligned conductive IrO ₂ nanorods. <i>Applied Physics Letters</i> , 2004, 84, 1552-1554.	3.3	75
9	Electrochemical micro-capacitors of patterned electrodes loaded with manganese oxide and carbon nanotubes. <i>Journal of Power Sources</i> , 2011, 196, 5761-5768.	7.8	74
10	Ionic conductivities and phase transitions of lanthanide rare-earth substituted La ₂ Mo ₂ O ₉ . <i>Journal of the European Ceramic Society</i> , 2005, 25, 481-487.	5.7	71
11	Pressure buildup and internal stresses during binder burnout: Numerical analysis. <i>AIChE Journal</i> , 1991, 37, 547-554.	3.6	70
12	Growth and characterization of well-aligned densely-packed rutile TiO ₂ nanocrystals on sapphire substrates via metal-organic chemical vapor deposition. <i>Nanotechnology</i> , 2008, 19, 075611.	2.6	67
13	Planar ultracapacitors of miniature interdigital electrode loaded with hydrous RuO ₂ and RuO ₂ nanorods. <i>Electrochimica Acta</i> , 2010, 55, 5768-5774.	5.2	66
14	EFFECTIVE CONDUCTIVITIES OF RANDOM FIBER BEDS. <i>Chemical Engineering Communications</i> , 1986, 40, 207-218.	2.6	62
15	Pt-Ir-IrO ₂ NT Thin-Wall Electrocatalysts Derived from IrO ₂ Nanotubes and Their Catalytic Activities in Methanol Oxidation. <i>Chemistry of Materials</i> , 2007, 19, 424-431.	6.7	60
16	One-dimensional conductive IrO ₂ nanocrystals. <i>Nanotechnology</i> , 2006, 17, R67-R87.	2.6	59
17	Preparation and characterization of iridium dioxide-carbon nanotube nanocomposites for supercapacitors. <i>Nanotechnology</i> , 2011, 22, 115706.	2.6	58
18	Growth and characterization of vertically aligned self-assembled IrO ₂ nanotubes on oxide substrates. <i>Journal of Crystal Growth</i> , 2004, 271, 105-112.	1.5	52

#	ARTICLE	IF	CITATIONS
19	Structural stability and ion conductivity of the Dy and W substituted La ₂ Mo ₂ O ₉ . <i>Solid State Ionics</i> , 2007, 178, 367-374.	2.7	50
20	Preparation and Analysis of a Silicon Carbide Composite Membrane. <i>Journal of the American Ceramic Society</i> , 1997, 80, 365-372.	3.8	49
21	Electrochemical capacitors of miniature size with patterned carbon nanotubes and cobalt hydroxide. <i>Journal of Power Sources</i> , 2012, 205, 510-515.	7.8	46
22	Solvent debinding kinetics of alumina green bodies by powder injection molding. <i>Ceramics International</i> , 1995, 21, 257-264.	4.8	43
23	Probe the micro arc softening phenomenon with pulse transient analysis in plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2019, 357, 235-243.	4.8	39
24	Controlled Gelation and Sintering of Monolithic Gels Prepared from gamma-Alumina Fume Powder. <i>Journal of the American Ceramic Society</i> , 1991, 74, 830-836.	3.8	38
25	Synthesis and Permeation Properties of Silicon-Carbon-Based Inorganic Membrane for Gas Separation. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 612-616.	3.7	38
26	The growth and characterization of well aligned RuO ₂ nanorods on sapphire substrates. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 8475-8484.	1.8	38
27	A Hydrogen-Permeable Silicon Oxycarbide Membrane Derived from Polydimethylsilane. <i>Journal of the American Ceramic Society</i> , 1999, 82, 2796-2800.	3.8	38
28	Proton conductors of cerium pyrophosphate for intermediate temperature fuel cell. <i>Electrochimica Acta</i> , 2011, 56, 6654-6660.	5.2	37
29	Cobalt selenide electrocatalyst supported by nitrogen-doped carbon and its stable activity toward oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5655-5664.	7.1	36
30	Preparation of ruthenium dioxide nanorods and their field emission characteristics. <i>Applied Physics Letters</i> , 2004, 85, 3860-3862.	3.3	34
31	Quartz crystal microbalance sensor based on nanostructured IrO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 95-100.	7.8	34
32	Preparation and oxygen reduction activity of stable RuSex/C catalyst with pyrite structure. <i>Electrochimica Acta</i> , 2009, 54, 4297-4304.	5.2	34
33	Ion clustering and crystallization of sol-gel-derived erbium silicate glass. <i>Journal of Materials Science Letters</i> , 1994, 13, 615-617.	0.5	33
34	Growth of Well Aligned IrO ₂ Nanotubes on LiTaO ₃ (012) Substrate. <i>Chemistry of Materials</i> , 2004, 16, 2457-2462.	6.7	33
35	Field emission characteristics of ruthenium dioxide nanorods. <i>Nanotechnology</i> , 2005, 16, 1885-1891.	2.6	33
36	Raman spectroscopy study of the phase transformation on nanocrystalline titania films prepared via metal organic vapour deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 303-306.	2.2	33

#	ARTICLE	IF	CITATIONS
37	Pt/Ru and Pt/Mo electrodeposited onto Ir/IrO ₂ nanorods and their catalytic activities in methanol and ethanol oxidation. <i>Journal of Materials Chemistry</i> , 2009, 19, 1601.	6.7	31
38	CO tolerance and catalytic activity of Pt/Sn/SnO ₂ nanowires loaded on a carbon paper. <i>Electrochimica Acta</i> , 2010, 55, 2116-2122.	5.2	31
39	Low pressure chemical vapor deposition of silicon carbide from dichlorosilane and acetylene. <i>Materials Chemistry and Physics</i> , 2000, 63, 196-201.	4.0	30
40	Corrosion passivation of magnesium alloy with the duplex coatings of plasma electrolytic oxidation and tetrafluoroethylene-based polymers. <i>Surface and Coatings Technology</i> , 2019, 366, 15-23.	4.8	29
41	Microstructure of Ba(Mg _{1/3} Ta _{2/3})O ₃ -BaSnO ₃ microwave dielectrics. <i>Ceramics International</i> , 2000, 26, 57-62.	4.8	28
42	Area-selective growth of ruthenium dioxide nanorods on LiNbO ₃ (100) and Zn/Si substrates. <i>Journal of Materials Chemistry</i> , 2004, 14, 3503.	6.7	28
43	A composite electrode of tin dioxide and carbon nanotubes and its role as negative electrode in lithium ion hybrid capacitor. <i>Electrochimica Acta</i> , 2016, 209, 332-340.	5.2	28
44	Carbon supported Ru _{1-x} Fe _x Se _y electrocatalysts of pyrite structure for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6508-6517.	7.1	27
45	Cycle stability of the electrochemical capacitors patterned with vertically aligned carbon nanotubes in an LiPF ₆ -based electrolyte. <i>Nanoscale</i> , 2013, 5, 8122.	5.6	27
46	Density Functional Theory Study of the Oxidation of Ammonia on RuO ₂ (110) Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17411-17417.	3.1	26
47	Growth and characterization of iridium dioxide nanorods. <i>Journal of Alloys and Compounds</i> , 2004, 383, 273-276.	5.5	25
48	A prelithiated lithium vanadate anode and the mass balancing of its hybrid capacitor. <i>RSC Advances</i> , 2015, 5, 69176-69183.	3.6	25
49	Surface oxides of Ir(111) prepared by gas-phase oxygen atoms. <i>Surface Science</i> , 2012, 606, 1965-1971.	1.9	24
50	Power loss and energy density of the asymmetric ultracapacitor loaded with molybdenum doped manganese oxide. <i>Electrochimica Acta</i> , 2012, 68, 95-102.	5.2	24
51	Selective growth of IrO ₂ nanorods using metalorganic chemical vapor deposition. <i>Journal of Materials Chemistry</i> , 2006, 16, 780-786.	6.7	23
52	Particle Size Influences on the Coating Microstructure through Green Chromia Inclusion in Plasma Electrolytic Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21864-21871.	8.0	23
53	A comparative study of microstructure of RuO ₂ nanorods via Raman scattering and field emission scanning electron microscopy. <i>Solid State Communications</i> , 2004, 131, 349-353.	1.9	22
54	Growth and Characterization of Well-Aligned RuO ₂ Nanocrystals on Oxide Substrates via Reactive Sputtering. <i>Crystal Growth and Design</i> , 2006, 6, 2501-2506.	3.0	22

#	ARTICLE	IF	CITATIONS
55	A nanostructured electrode of IrO _x foil on the carbon nanotubes for supercapacitors. <i>Nanotechnology</i> , 2011, 22, 355708.	2.6	22
56	Ordered Structure and Dielectric Properties of Lanthanum-Substituted Ba(Mg _{1/3} Ta _{2/3})O ₃ . <i>Journal of the American Ceramic Society</i> , 2000, 83, 2074-2078.	3.8	21
57	Deoxygenation of IrO ₂ (110) surface: Core-level spectroscopy and density functional theory calculation. <i>Surface Science</i> , 2010, 604, 118-124.	1.9	21
58	Effect of La/K A-site Substitutions on the Ordering of Ba(Zn _{1/3} Ta _{2/3})O ₃ . <i>Journal of the American Ceramic Society</i> , 1997, 80, 2885-2890.	3.8	20
59	Coloration of the aluminum alloy surface with dye emulsions while growing a plasma electrolytic oxide layer. <i>Surface and Coatings Technology</i> , 2016, 287, 61-66.	4.8	20
60	Effect of length, spacing and morphology of vertically aligned RuO ₂ nanostructures on field-emission properties. <i>Nanotechnology</i> , 2006, 17, 3149-3153.	2.6	19
61	Raman scattering characterization of well-aligned RuO ₂ nanocrystals grown on sapphire substrates. <i>New Journal of Physics</i> , 2007, 9, 130-130.	2.9	19
62	A ceria layer as diffusion barrier between LAMOX and lanthanum strontium cobalt ferrite along with the impedance analysis. <i>Solid State Ionics</i> , 2009, 180, 412-417.	2.7	19
63	Synthesis and characterization of well-aligned anatase TiO ₂ nanocrystals on fused silica via metal-organic vapor deposition. <i>CrystEngComm</i> , 2009, 11, 2313.	2.6	18
64	Properties of 10% Dy-doped La ₂ Mo ₂ O ₉ and its electrolyte performance in single chamber solid oxide fuel cell. <i>Journal of Alloys and Compounds</i> , 2014, 582, 780-785.	5.5	18
65	PEM fuel cells of poly(2,5-benzimidazole) ABPBI membrane electrolytes doped with phosphoric acid and metal phosphates. <i>Materials Chemistry and Physics</i> , 2018, 216, 485-490.	4.0	17
66	Barium and strontium titanate films from hydroxide-alkoxide precursors. <i>Journal of Materials Science Letters</i> , 1991, 10, 1000-1002.	0.5	16
67	Growth and characterization of well aligned densely packed IrO ₂ nanocrystals on sapphire via reactive sputtering. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1121-1136.	1.8	16
68	Structures and Catalytic Properties of PtRu Electrocatalysts Prepared via the Reduced RuO ₂ Nanorods Array. <i>Langmuir</i> , 2008, 24, 2785-2791.	3.5	16
69	Deposition and characterization of IrO _x nanofoils on carbon nanotube templates by reactive magnetron sputtering. <i>Thin Solid Films</i> , 2012, 520, 2409-2413.	1.8	16
70	Radiation across a spherical cavity having both specular and diffuse reflectance components. <i>Chemical Engineering Science</i> , 1985, 40, 170-173.	3.8	15
71	Morphological evolution of the self-assembled IrO ₂ one-dimensional nanocrystals. <i>Nanotechnology</i> , 2005, 16, 93-97.	2.6	15
72	La ₂ Mo ₂ O ₉ -Based Electrolyte: Ion Conductivity and Anode-Supported Cell under Single Chamber Conditions. <i>Journal of the American Ceramic Society</i> , 2011, 94, 806-811.	3.8	15

#	ARTICLE	IF	CITATIONS
73	Influences of urea and sodium nitrite on surface coating of plasma electrolytic oxidation. <i>Applied Surface Science</i> , 2015, 356, 135-141.	6.1	15
74	Raman scattering characterization of vertical aligned 1D IrO ₂ nanocrystals grown on single crystal oxide substrates. <i>Solid State Communications</i> , 2006, 137, 310-314.	1.9	14
75	Characterization of IrO ₂ /CNT nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 890-894.	2.2	14
76	Influences of Growth Species and Inclusions on the Current-Voltage Behavior of Plasma Electrolytic Oxidation: A Review. <i>Coatings</i> , 2021, 11, 270.	2.6	14
77	Preparation and characterization of gold-coated silver triangular platelets in nanometer scale. <i>Materials Chemistry and Physics</i> , 2005, 90, 361-366.	4.0	13
78	Comparison of electronic structures of RuO ₂ and IrO ₂ nanorods investigated by x-ray absorption and scanning photoelectron microscopy. <i>Applied Physics Letters</i> , 2007, 90, 042108.	3.3	13
79	Si-Al-C gas separation membranes derived from polydimethylsilane and aluminum acetylacetonate. <i>Journal of Membrane Science</i> , 2001, 192, 209-216.	8.2	12
80	Synthesis and Properties of Lead Zirconate Titanate Thin Films Via Metalorganic Chemical Vapor Deposition. <i>Journal of Materials Research</i> , 2002, 17, 1536-1542.	2.6	12
81	Microstructural defects in Ba(Mg _{1/3} Ta _{2/3})O ₃ microwave dielectric materials. <i>Materials Chemistry and Physics</i> , 2003, 79, 218-221.	4.0	12
82	Permeation properties of microporous membranes prepared via coating of evaporated polydimethylsilane. <i>Journal of Membrane Science</i> , 2004, 237, 163-165.	8.2	12
83	Growth and characterization of the coexistence of vertically aligned and twinned V-shaped RuO ₂ nanorods on nanostructural TiO ₂ template. <i>Journal of Alloys and Compounds</i> , 2009, 485, 524-528.	5.5	12
84	Growth and characterization of well-aligned densely-packed rutile TiO ₂ nanocrystals on sapphire (100) and (012) substrates by reactive magnetron sputtering. <i>Thin Solid Films</i> , 2010, 518, 4121-4125.	1.8	12
85	The lithium ion capacitor with a negative electrode of lithium titanium zirconium phosphate. <i>Journal of Power Sources</i> , 2015, 274, 15-21.	7.8	12
86	Coloring the aluminum alloy surface in plasma electrolytic oxidation with the green pigment colloid. <i>Surface and Coatings Technology</i> , 2017, 321, 164-170.	4.8	12
87	BSCF/GDC as a refined cathode to the single-chamber solid oxide fuel cell based on a LAMOX electrolyte. <i>Ceramics International</i> , 2018, 44, 1726-1730.	4.8	12
88	Variation in the ordering of Ba(Zn _{1/3} Ta _{2/3})O ₃ with A-site substitutions. <i>Ferroelectrics</i> , 1998, 206, 293-305.	0.6	11
89	Growth and characterization of vertically aligned IrO ₂ one dimensional nanocrystals on LiNbO ₃ (100) via reactive sputtering. <i>Thin Solid Films</i> , 2006, 503, 96-102.	1.8	11
90	Phenylphenol-Derived Carbon and Antimony-Coated Carbon Nanotubes as the Electroactive Materials of Lithium-Ion Hybrid Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34948-34956.	8.0	11

#	ARTICLE	IF	CITATIONS
91	Metalorganic chemical vapor deposition of SrRuO ₃ thin film and its characterization. Journal of Materials Science, 2003, 38, 2633-2638.	3.7	10
92	Fabrication and electric properties of PZN-based ceramics using modified columbite method. Journal of the European Ceramic Society, 2005, 25, 2197-2200.	5.7	10
93	Raman scattering characterization of well-aligned IrO ₂ nanocrystals grown on sapphire substrates via reactive sputtering. Journal of Raman Spectroscopy, 2006, 37, 1411-1415.	2.5	10
94	Deposition and characterization of 1D RuO ₂ nanocrystals by reactive sputtering. Journal of Alloys and Compounds, 2007, 442, 310-312.	5.5	10
95	Disinfection effects of undoped and silver-doped ceria powders of nanometer crystallite size. International Journal of Nanomedicine, 2016, 11, 2531.	6.7	10
96	Structure and properties of PZT thin films on strontium ruthenate and calcium ruthenate electrodes. Materials Chemistry and Physics, 2004, 85, 88-95.	4.0	9
97	DFT study on dissociative adsorption of SiH ₄ and GeH ₄ on SiGe(100)-2 \times 1 surface. Surface Science, 2006, 600, 3194-3201.	1.9	9
98	A lithium solid electrolyte of acrylonitrile copolymer with thiocarbonate moiety and its potential battery application. Electrochimica Acta, 2021, 365, 137357.	5.2	9
99	Specular reflection in radiant heat transport across a spherical void. Chemical Engineering Science, 1984, 39, 775-779.	3.8	8
100	Raising pyrolysis yield of preceramic polymers of silicon carbonitride. Journal of Materials Science, 1995, 30, 4463-4468.	3.7	8
101	Well-Aligned IrO_2 Nanowires on SiGe(100)-2 \times 1 Surface. Journal of Nanomaterials, 2007, 2007, 1-17.	3.7	8
102	Energetics and Rate Constants of Si ₂ H ₆ and Ge ₂ H ₆ Dissociative Adsorption on Dimers of SiGe(100)-2 \times 1. Journal of Physical Chemistry C, 2007, 111, 13466-13472.	3.1	8
103	Growth and characterization of V-shaped IrO ₂ nanowedges via metal-organic vapor deposition. Nanotechnology, 2008, 19, 465607.	2.6	8
104	Enhance the oxygen reduction activity of ruthenium selenide pyrite catalyst with nitrogen-doped carbon. International Journal of Hydrogen Energy, 2011, 36, 7381-7390.	7.1	8
105	Correlation between Defect Density and Corrosion Parameter of Electrochemically Oxidized Aluminum. Coatings, 2020, 10, 20.	2.6	8
106	Calcination and sintering of Ba ₂ Ti ₉ O ₂₀ alkoxide-derived powder. Journal of Materials Science Letters, 1989, 8, 1291-1293.	0.5	7
107	X-ray diffraction and Raman scattering study of thermal-induced phase transformation in vertically aligned TiO ₂ nanocrystals grown on sapphire(100) via metal organic vapor deposition. Journal of Crystal Growth, 2008, 310, 3663-3667.	1.5	7
108	Electrochemical performance of lanthanum calcium cobalt ferrite cathode interfaced to LAMOX electrolyte. Solid State Ionics, 2008, 179, 330-337.	2.7	7

#	ARTICLE	IF	CITATIONS
109	Area-selectively sputtering the RuO ₂ nanorods array. Applied Surface Science, 2008, 254, 6915-6921.	6.1	7
110	Synthesis and structural characterization of twinned V-shaped IrO ₂ nanowedges on TiO ₂ nanorods via MOCVD. Journal of Alloys and Compounds, 2009, 480, 107-110.	5.5	7
111	Miniature asymmetric ultracapacitor of patterned carbon nanotubes and hydrous ruthenium dioxide. Nanotechnology, 2012, 23, 485402.	2.6	7
112	Lithium tin phosphate anode partially reduced through prelithiation for hybrid capacitor application. Journal of Alloys and Compounds, 2015, 627, 186-191.	5.5	7
113	Lithium-Ion Hybrid Capacitor with a Scaffold Electrode of Tin Sulfide and Tin Metal and Its Electrolyte Issue. Journal of Physical Chemistry C, 2020, 124, 21909-21918.	3.1	7
114	Proton exchange membrane fuel cell of polybenzimidazole electrolyte doped with phosphoric acid and antimony chloride. International Journal of Hydrogen Energy, 2014, 39, 10245-10252.	7.1	6
115	Uniformity of deposited film thickness on a uneven surface by direct simulation Monte Carlo. Materials Chemistry and Physics, 1997, 48, 82-89.	4.0	5
116	Abnormal growth of lead titanate thin film in chemical vapor deposition of Pb(C ₂ H ₅) ₄ /Ti(OPri) ₄ /O ₂ . Materials Chemistry and Physics, 2001, 70, 223-230.	4.0	5
117	Silicon Carbide Membranes Modified by Chemical Vapor Deposition Using Species of Low Sticking Coefficients in a Silane/Acetylene Reaction System. Journal of the American Ceramic Society, 1998, 81, 159-165.	3.8	5
118	Synthesis of IrO ₂ nanocrystals on sapphire via metal-organic chemical vapor deposition. Journal of Alloys and Compounds, 2007, 442, 313-315.	5.5	5
119	Growth and characterization of well-aligned rutile TiO ₂ nanocrystals on sapphire substrates via metal organic vapour deposition. Journal of Materials Science: Materials in Electronics, 2009, 20, 332-335.	2.2	5
120	Hybrid Electrochemical Capacitor of IrO ₂ Nanocrystal and Hydrous RuO ₂ . Science of Advanced Materials, 2010, 2, 552-559.	0.7	5
121	Ordered structure formation in the flux-grown Ba(Mg _{1/3} Ta _{2/3})O ₃ single crystals. Journal of Materials Research, 2001, 16, 1593-1599.	2.6	4
122	Surface reaction probabilities of radicals correlated from film thickness contours in silane chemical vapor deposition. Thin Solid Films, 2002, 411, 177-184.	1.8	4
123	Influence of surface additives iodine and indium on the initial growth in copper chemical vapor deposition. Applied Surface Science, 2004, 236, 165-174.	6.1	4
124	Study of Pathway of Hydrogen Migration and Desorption on SiGe(100) Surface Using Ab Initio Calculations. Japanese Journal of Applied Physics, 2005, 44, 7625-7633.	1.5	4
125	(301) and (101) RuO ₂ twins on nanostructural rutile TiO ₂ template. Materials Chemistry and Physics, 2009, 117, 544-549.	4.0	4
126	Upgrading the performance of La ₂ Mo ₂ O ₉ -based solid oxide fuel cell under single chamber conditions. International Journal of Hydrogen Energy, 2012, 37, 9792-9800.	7.1	4

#	ARTICLE	IF	CITATIONS
127	Thermally decomposed (110) surface of RuO ₂ single crystal. Solid State Communications, 2008, 146, 462-467.	1.9	3
128	Electrochemical Behavior of Gel-Derived Lanthanum Calcium Cobalt Ferrite Cathode in Contact with LAMOX Electrolyte. Journal of the American Ceramic Society, 2008, 91, 2217-2222.	3.8	3
129	Deposition and Characterization of Nanostructural IrO ₂ by RF Sputtering. Solid State Phenomena, 0, 194, 129-132.	0.3	3
130	Solid acrylonitrile-based copolymer electrolytes and their potential application in solid state battery. Journal of Applied Polymer Science, 0, , 52158.	2.6	3
131	A study on burden distribution of blast furnace with a bell-less top. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 1988, 11, 199-205.	1.1	2
132	Rb/K ion exchange in BK1 glass to fabricate gradient-index rods. Materials Chemistry and Physics, 1994, 39, 63-67.	4.0	2
133	Leaching silicon-based wet gels to approach GRIN. Journal of Non-Crystalline Solids, 1994, 169, 160-168.	3.1	2
134	Growth and Characterization of Vertically Aligned Densely Packed TiO ₂ Nanocrystals on Sapphire(100) via Metal-Organic Chemical Vapor Deposition. ECS Transactions, 2007, 11, 19-25.	0.5	2
135	An asymmetric capacitor of internal parallel hybrid electrodes with amphoteric lithium vanadium phosphate. Journal of Solid State Electrochemistry, 2017, 21, 839-847.	2.5	2
136	Solid-State Lithium Metal Battery of Low Capacity Fade Enabled by a Composite Electrolyte with Sulfur-Containing Oligomers. ACS Applied Materials & Interfaces, 2022, 14, 16136-16146.	8.0	2
137	Fatigue properties and microstructures of (Pb,Ca)TiO ₃ ceramics. Ferroelectrics, 2001, 261, 199-204.	0.6	1
138	Octahedral Tilting Domain Boundary in Calcium-Modified Lead Titanate Ceramics. Integrated Ferroelectrics, 2002, 48, 69-78.	0.7	1
139	Microstructural characteristics of (Pb _{1-x} Ca _x)TiO ₃ materials. Materials Chemistry and Physics, 2003, 79, 191-194.	4.0	1
140	Deposition and structural characterization of nanostructured RuO ₂ on rutile-TiO ₂ /sapphire(100) templates by reactive radio frequency magnetron sputtering. Thin Solid Films, 2012, 520, 2810-2813.	1.8	1
141	Effects of ion insertion on cycling performance of miniaturized electrochemical capacitor of carbon nanotubes array. Nanotechnology, 2014, 25, 425401.	2.6	1
142	Application of heat balance integral in melting with initial subfreezing. International Communications in Heat and Mass Transfer, 1986, 13, 265-280.	5.6	0
143	Green body reinforcement of latexes on alumina colloidal gels. Journal of Materials Science Letters, 1992, 11, 913-915.	0.5	0
144	Study of Tetraethyllead Oxidation Pathways Using Density Functional Theory. Japanese Journal of Applied Physics, 2003, 42, 7564-7569.	1.5	0

#	ARTICLE	IF	CITATIONS
145	Growth and characterization of vertically aligned 1D IrO ₂ /nanocrystals via reactive sputtering. , 0, , .		0
146	Growth and structural characterization of well-aligned RuO ₂ nanorods on LiNbO ₃ (100) via MOCVD. Journal of Alloys and Compounds, 2009, 480, 100-103.	5.5	0
147	Growth and Characterization of Well-Aligned RuO ₂ /TiO ₂ /Heteronanostructures on Sapphire (100) Substrates by Reactive Magnetron Sputtering. Solid State Phenomena, 0, 170, 78-82.	0.3	0