

Dah-Shyang Tsai

List of Publications by Year in descending order

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147
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148
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#	ARTICLE	IF	CITATIONS
1	Solid-State Lithium Metal Battery of Low Capacity Fade Enabled by a Composite Electrolyte with Sulfur-Containing Oligomers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16136-16146.	8.0	2
2	A lithium solid electrolyte of acrylonitrile copolymer with thiocarbonate moiety and its potential battery application. <i>Electrochimica Acta</i> , 2021, 365, 137357.	5.2	9
3	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
4	Lithium-Ion Hybrid Capacitor with a Scaffold Electrode of Tin Sulfide and Tin Metal and Its Electrolyte Issue. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21909-21918.	3.1	7
5	Correlation between Defect Density and Corrosion Parameter of Electrochemically Oxidized Aluminum. <i>Coatings</i> , 2020, 10, 20.	2.6	8
6	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
7	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
8	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
9	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
10	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
11	Review of the Soft Sparking Issues in Plasma Electrolytic Oxidation. <i>Metals</i> , 2018, 8, 105.	2.3	78
12	An asymmetric capacitor of internal parallel hybrid electrodes with amphoteric lithium vanadium phosphate. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 839-847.	2.5	2
13	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
14	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
15	Disinfection effects of undoped and silver-doped ceria powders of nanometer crystallite size. <i>International Journal of Nanomedicine</i> , 2016, 11, 2531.	6.7	10
16	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
17	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
18	Lithium tin phosphate anode partially reduced through prelithiation for hybrid capacitor application. <i>Journal of Alloys and Compounds</i> , 2015, 627, 186-191.	5.5	7

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19	A prelithiated lithium vanadate anode and the mass balancing of its hybrid capacitor. RSC Advances, 2015, 5, 69176-69183.	3.6	25
20	Influences of urea and sodium nitrite on surface coating of plasma electrolytic oxidation. Applied Surface Science, 2015, 356, 135-141.	6.1	15
21	The lithium ion capacitor with a negative electrode of lithium titanium zirconium phosphate. Journal of Power Sources, 2015, 274, 15-21.	7.8	12
22	Properties of 10% Dy-doped La ₂ Mo ₂ O ₉ and its electrolyte performance in single chamber solid oxide fuel cell. Journal of Alloys and Compounds, 2014, 582, 780-785.	5.5	18
23	Effects of ion insertion on cycling performance of miniaturized electrochemical capacitor of carbon nanotubes array. Nanotechnology, 2014, 25, 425401.	2.6	1
24	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
25	Cycle stability of the electrochemical capacitors patterned with vertically aligned carbon nanotubes in an LiPF ₆ -based electrolyte. Nanoscale, 2013, 5, 8122.	5.6	27
26	Cobalt selenide electrocatalyst supported by nitrogen-doped carbon and its stable activity toward oxygen reduction reaction. International Journal of Hydrogen Energy, 2013, 38, 5655-5664.	7.1	36
27	Surface oxides of Ir(111) prepared by gas-phase oxygen atoms. Surface Science, 2012, 606, 1965-1971.	1.9	24
28	Miniature asymmetric ultracapacitor of patterned carbon nanotubes and hydrous ruthenium dioxide. Nanotechnology, 2012, 23, 485402.	2.6	7
29	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
30	Power loss and energy density of the asymmetric ultracapacitor loaded with molybdenum doped manganese oxide. Electrochimica Acta, 2012, 68, 95-102.	5.2	24
31	Electrochemical capacitors of miniature size with patterned carbon nanotubes and cobalt hydroxide. Journal of Power Sources, 2012, 205, 510-515.	7.8	46
32	Deposition and characterization of IrO _x nanofoils on carbon nanotube templates by reactive magnetron sputtering. Thin Solid Films, 2012, 520, 2409-2413.	1.8	16
33	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
34	Preparation and characterization of iridium dioxide-carbon nanotube nanocomposites for supercapacitors. Nanotechnology, 2011, 22, 115706.	2.6	58
35	La ₂ Mo ₂ O ₉ -Based Electrolyte: Ion Conductivity and Anode-Supported Cell under Single Chamber Conditions. Journal of the American Ceramic Society, 2011, 94, 806-811.	3.8	15
36	Characterization of IrO ₂ /CNT nanocomposites. Journal of Materials Science: Materials in Electronics, 2011, 22, 890-894.	2.2	14

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37	Proton conductors of cerium pyrophosphate for intermediate temperature fuel cell. <i>Electrochimica Acta</i> , 2011, 56, 6654-6660.	5.2	37
38	Enhance the oxygen reduction activity of ruthenium selenide pyrite catalyst with nitrogen-doped carbon. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7381-7390.	7.1	8
39	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
40	A nanostructured electrode of IrO _x foil on the carbon nanotubes for supercapacitors. <i>Nanotechnology</i> , 2011, 22, 355708.	2.6	22
41	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
42	Carbon supported Ru _{1-x} FexSe _y electrocatalysts of pyrite structure for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6508-6517.	7.1	27
43	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
44	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
45	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
46	Hybrid Electrochemical Capacitor of IrO ₂ Nanocrystal and Hydrous RuO ₂ . <i>Science of Advanced Materials</i> , 2010, 2, 552-559.	0.7	5
47	(301) and (101) RuO ₂ twins on nanostructural rutile TiO ₂ template. <i>Materials Chemistry and Physics</i> , 2009, 117, 544-549.	4.0	4
48	Preparation and oxygen reduction activity of stable RuSex/C catalyst with pyrite structure. <i>Electrochimica Acta</i> , 2009, 54, 4297-4304.	5.2	34
49	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
50	Growth and characterization of well-aligned rutile TiO ₂ nanocrystals on sapphire substrates via metal organic vapour deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 332-335.	2.2	5
51	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
52	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
53	Structural Features of SnO ₂ Nanowires and Raman Spectroscopy Analysis. <i>Crystal Growth and Design</i> , 2009, 9, 3958-3963.	3.0	76
54	Synthesis and structural characterization of twinned V-shaped IrO ₂ nanowedges on TiO ₂ nanorods via MOCVD. <i>Journal of Alloys and Compounds</i> , 2009, 480, 107-110.	5.5	7

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55	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
56	Growth and characterization of the coexistence of vertically aligned and twinned V-shaped RuO ₂ nanorods on nanostructural TiO ₂ template. Journal of Alloys and Compounds, 2009, 485, 524-528.	5.5	12
57	Pt/Ru and Pt/Mo electrodeposited onto IrO ₂ nanorods and their catalytic activities in methanol and ethanol oxidation. Journal of Materials Chemistry, 2009, 19, 1601.	6.7	31
58	Synthesis and characterization of well-aligned anatase TiO ₂ nanocrystals on fused silica via metal-organic vapor deposition. CrystEngComm, 2009, 11, 2313.	2.6	18
59	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
60	Thermally decomposed (110) surface of RuO ₂ single crystal. Solid State Communications, 2008, 146, 462-467.	1.9	3
61	Electrochemical performance of lanthanum calcium cobalt ferrite cathode interfaced to LAMOX electrolyte. Solid State Ionics, 2008, 179, 330-337.	2.7	7
62	Area-selectively sputtering the RuO ₂ nanorods array. Applied Surface Science, 2008, 254, 6915-6921.	6.1	7
63	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
64	Growth and characterization of well-aligned densely-packed rutile TiO ₂ nanocrystals on sapphire substrates via metal-organic chemical vapor deposition. Nanotechnology, 2008, 19, 075611.	2.6	67
65	Structures and Catalytic Properties of PtRu Electrocatalysts Prepared via the Reduced RuO ₂ Nanorods Array. Langmuir, 2008, 24, 2785-2791.	3.5	16
66	Growth and characterization of V-shaped IrO ₂ nanowedges via metal-organic vapor deposition. Nanotechnology, 2008, 19, 465607.	2.6	8
67	Raman scattering characterization of well-aligned RuO ₂ nanocrystals grown on sapphire substrates. New Journal of Physics, 2007, 9, 130-130.	2.9	19
68	Well-Aligned IrO ₂ Nanorods Grown on Sapphire Substrates via Metal-Organic Chemical Vapor Deposition. Journal of Nanomaterials, 2007, 2007, 1-17.	2.7	8
69	Comparison of electronic structures of RuO ₂ and IrO ₂ nanorods investigated by x-ray absorption and scanning photoelectron microscopy. Applied Physics Letters, 2007, 90, 042108.	3.3	13
70	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
71	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
72	Deposition and characterization of 1D RuO ₂ nanocrystals by reactive sputtering. Journal of Alloys and Compounds, 2007, 442, 310-312.	5.5	10

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73	Pt ²⁺ /Ir ³⁺ /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
74	Energetics and Rate Constants of Si ₂ H ₆ and Ge ₂ H ₆ Dissociative Adsorption on Dimers of SiGe(100)-2 Å ⁻¹ . <i>Journal of Physical Chemistry C</i> , 2007, 111, 13466-13472.	3.1	8
75	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
76	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
77	Quartz crystal microbalance sensor based on nanostructured IrO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 95-100.	7.8	34
78	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
79	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
80	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
81	Selective growth of IrO ₂ nanorods using metalorganic chemical vapor deposition. <i>Journal of Materials Chemistry</i> , 2006, 16, 780-786.	6.7	23
82	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
83	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
84	DFT study on dissociative adsorption of SiH ₄ and GeH ₄ on SiGe(100)-2Å ⁻¹ surface. <i>Surface Science</i> , 2006, 600, 3194-3201.	1.9	9
85	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
86	Raman scattering characterization of well-aligned IrO ₂ nanocrystals grown on sapphire substrates via reactive sputtering. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1411-1415.	2.5	10
87	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
88	One-dimensional conductive IrO ₂ nanocrystals. <i>Nanotechnology</i> , 2006, 17, R67-R87.	2.6	59
89	Fabrication and electric properties of PZN-based ceramics using modified columbite method. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2197-2200.	5.7	10
90	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

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91	Ionic conductivities and phase transitions of lanthanide rare-earth substituted La ₂ Mo ₂ O ₉ . Journal of the European Ceramic Society, 2005, 25, 481-487.	5.7	71
92	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
93	Field emission characteristics of ruthenium dioxide nanorods. Nanotechnology, 2005, 16, 1885-1891.	2.6	33
94	Morphological evolution of the self-assembled IrO ₂ one-dimensional nanocrystals. Nanotechnology, 2005, 16, 93-97.	2.6	15
95	Electrochemical capacitors of RuO ₂ nanophase grown on LiNbO ₃ (100) and sapphire(0001) substrates. Journal of Materials Chemistry, 2005, 15, 2122.	6.7	76
96	The growth and characterization of well aligned RuO ₂ nanorods on sapphire substrates. Journal of Physics Condensed Matter, 2004, 16, 8475-8484.	1.8	38
97	Preparation of ruthenium dioxide nanorods and their field emission characteristics. Applied Physics Letters, 2004, 85, 3860-3862.	3.3	34
98	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
99	Growth and characterization of vertically aligned self-assembled IrO ₂ nanotubes on oxide substrates. Journal of Crystal Growth, 2004, 271, 105-112.	1.5	52
100	A comparative study of microstructure of RuO ₂ nanorods via Raman scattering and field emission scanning electron microscopy. Solid State Communications, 2004, 131, 349-353.	1.9	22
101	Permeation properties of microporous membranes prepared via coating of evaporated polydimethylsilane. Journal of Membrane Science, 2004, 237, 163-165.	8.2	12
102	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
103	Field emission from vertically aligned conductive IrO ₂ nanorods. Applied Physics Letters, 2004, 84, 1552-1554.	3.3	75
104	Growth of Well Aligned IrO ₂ Nanotubes on LiTaO ₃ (012) Substrate. Chemistry of Materials, 2004, 16, 2457-2462.	6.7	33
105	Area-selective growth of ruthenium dioxide nanorods on LiNbO ₃ (100) and Zn/Si substrates. Journal of Materials Chemistry, 2004, 14, 3503.	6.7	28
106	Growth and characterization of iridium dioxide nanorods. Journal of Alloys and Compounds, 2004, 383, 273-276.	5.5	25
107	Metalorganic chemical vapor deposition of SrRuO ₃ thin film and its characterization. Journal of Materials Science, 2003, 38, 2633-2638.	3.7	10
108	Microstructural defects in Ba(Mg _{1/3} Ta _{2/3})O ₃ microwave dielectric materials. Materials Chemistry and Physics, 2003, 79, 218-221.	4.0	12

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109	Microstructural characteristics of $(\text{Pb}_{1-x}\text{Ca}_x)\text{TiO}_3$ materials. <i>Materials Chemistry and Physics</i> , 2003, 79, 191-194.	4.0	1
110	Growth control and characterization of vertically aligned IrO_2 nanorods. <i>Journal of Materials Chemistry</i> , 2003, 13, 2525.	6.7	79
111	Study of Tetraethyllead Oxidation Pathways Using Density Functional Theory. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 7564-7569.	1.5	0
112	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
113	Octahedral Tilting Domain Boundary in Calcium-Modified Lead Titanate Ceramics. <i>Integrated Ferroelectrics</i> , 2002, 48, 69-78.	0.7	1
114	Surface reaction probabilities of radicals correlated from film thickness contours in silane chemical vapor deposition. <i>Thin Solid Films</i> , 2002, 411, 177-184.	1.8	4
115	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
116	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
117	Abnormal growth of lead titanate thin film in chemical vapor deposition of $\text{Pb}(\text{C}_2\text{H}_5)_4/\text{Ti}(\text{OPri})_4/\text{O}_2$. <i>Materials Chemistry and Physics</i> , 2001, 70, 223-230.	4.0	5
118	Fatigue properties and microstructures of $(\text{Pb,Ca})\text{TiO}_3$ ceramics. <i>Ferroelectrics</i> , 2001, 261, 199-204.	0.6	1
119	Ordered structure formation in the flux-grown $\text{Ba}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3$ single crystals. <i>Journal of Materials Research</i> , 2001, 16, 1593-1599.	2.6	4
120	Microstructure of $\text{Ba}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3$ - BaSnO_3 microwave dielectrics. <i>Ceramics International</i> , 2000, 26, 57-62.	4.8	28
121	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
122	Ordered Structure and Dielectric Properties of Lanthanum-Substituted $\text{Ba}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3$. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2074-2078.	3.8	21
123	A Hydrogen-Permeable Silicon Oxycarbide Membrane Derived from Polydimethylsilane. <i>Journal of the American Ceramic Society</i> , 1999, 82, 2796-2800.	3.8	38
124	Variation in the ordering of $\text{Ba}(\text{Zn}_{1/3}\text{Ta}_{2/3})\text{O}_3$ with A-site substitutions. <i>Ferroelectrics</i> , 1998, 206, 293-305.	0.6	11
125	Silicon Carbide Membranes Modified by Chemical Vapor Deposition Using Species of Low Sticking Coefficients in a Silane/Acetylene Reaction System. <i>Journal of the American Ceramic Society</i> , 1998, 81, 159-165.	3.8	5
126	Effect of La/K A-site Substitutions on the Ordering of $\text{Ba}(\text{Zn}_{1/3}\text{Ta}_{2/3})\text{O}_3$. <i>Journal of the American Ceramic Society</i> , 1997, 80, 2885-2890.	3.8	20

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127	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
128	Preparation and Analysis of a Silicon Carbide Composite Membrane. Journal of the American Ceramic Society, 1997, 80, 365-372.	3.8	49
129	Solvent debinding kinetics of alumina green bodies by powder injection molding. Ceramics International, 1995, 21, 257-264.	4.8	43
130	Raising pyrolysis yield of preceramic polymers of silicon carbonitride. Journal of Materials Science, 1995, 30, 4463-4468.	3.7	8
131	Ion clustering and crystallization of sol-gel-derived erbium silicate glass. Journal of Materials Science Letters, 1994, 13, 615-617.	0.5	33
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	Green body reinforcement of latexes on alumina colloidal gels. Journal of Materials Science Letters, 1992, 11, 913-915.	0.5	0
135	Controlled Gelation and Sintering of Monolithic Gels Prepared from gamma-Alumina Fume Powder. Journal of the American Ceramic Society, 1991, 74, 830-836.	3.8	38
136	Pressure buildup and internal stresses during binder burnout: Numerical analysis. AICHE Journal, 1991, 37, 547-554.	3.6	70
137	Barium and strontium titanate films from hydroxide-alkoxide precursors. Journal of Materials Science Letters, 1991, 10, 1000-1002.	0.5	16
138	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
139	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
140	Application of heat balance integral in melting with initial subfreezing. International Communications in Heat and Mass Transfer, 1986, 13, 265-280.	5.6	0
141	EFFECTIVE CONDUCTIVITIES OF RANDOM FIBER BEDS. Chemical Engineering Communications, 1986, 40, 207-218.	2.6	62
142	Radiation across a spherical cavity having both specular and diffuse reflectance components. Chemical Engineering Science, 1985, 40, 170-173.	3.8	15
143	Specular reflection in radiant heat transport across a spherical void. Chemical Engineering Science, 1984, 39, 775-779.	3.8	8
144	Growth and characterization of vertically aligned 1D IrO ₂ /sub 2/ nanocrystals via reactive sputtering. , 0, , .		0

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145	Growth and Characterization of Well-Aligned RuO ₂ /R-TiO ₂ Heteronanostructures on Sapphire (100) Substrates by Reactive Magnetron Sputtering. Solid State Phenomena, 0, 170, 78-82.	0.3	0
146	Deposition and Characterization of Nanostructural IrO _x by RF Sputtering. Solid State Phenomena, 0, 194, 129-132.	0.3	3
147	Solid acrylonitrile-based copolymer electrolytes and their potential application in solid state battery. Journal of Applied Polymer Science, 0, , 52158.	2.6	3