

# Alan V Chadwick

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177  
papers

7,295  
citations

40  
h-index

80  
g-index

188  
ext. papers

8,121  
ext. citations

6.1  
avg. IF

5.54  
L-index

#	Paper	IF	Citations
177	Platinum incorporation into titanate perovskites to deliver emergent active and stable platinum nanoparticles. <i>Nature Chemistry</i> , <b>2021</b> , 13, 677-682	17.6	16
176	Activation of anion redox in P3 structure cobalt-doped sodium manganese oxide via introduction of transition metal vacancies. <i>Journal of Power Sources</i> , <b>2021</b> , 481, 229010	8.9	6
175	Lithium recovery from hydraulic fracturing flowback and produced water using a selective ion exchange sorbent. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 130713	14.7	3
174	The Formation of Chemical Degraders during the Conservation of a Wooden Tudor Shipwreck. <i>ChemPlusChem</i> , <b>2020</b> , 85, 1632-1638	2.8	4
173	Cation insertion to break the activity/stability relationship for highly active oxygen evolution reaction catalyst. <i>Nature Communications</i> , <b>2020</b> , 11, 1378	17.4	43
172	Structures of mixed manganese ruthenium oxides (MnRu)O crystallised under acidic hydrothermal conditions. <i>Dalton Transactions</i> , <b>2020</b> , 49, 2661-2670	4.3	4
171	Oxygen Redox Activity through a Reductive Coupling Mechanism in the P3-Type Nickel-Doped Sodium Manganese Oxide. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 184-191	6.1	26
170	Vacancy-Enhanced Oxygen Redox Reversibility in P3-Type Magnesium-Doped Sodium Manganese Oxide Na <sub>0.67</sub> Mg <sub>0.2</sub> Mn <sub>0.8</sub> O <sub>2</sub> . <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10423-10434	6.1	8
169	Exploring the Effects of Synthetic and Postsynthetic Grinding on the Properties of the Spin Crossover Material [Fe(atrz) <sub>3</sub> ](BF <sub>4</sub> ) <sub>2</sub> (atz = 4-Amino-4H-1,2,4-Triazole). <i>Magnetochemistry</i> , <b>2020</b> , 6, 44	3.1	2
168	Lithiation of V <sub>2</sub> O <sub>3</sub> (SO <sub>4</sub> ) <sub>2</sub> as a flexible insertion host. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19502-19512	3.0	1
167	What Triggers Oxygen Loss in Oxygen Redox Cathode Materials?. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3293-3300	3.00	90
166	Oxygen redox chemistry without excess alkali-metal ions in Na[MgMn]O. <i>Nature Chemistry</i> , <b>2018</b> , 10, 288-295	17.6	281
165	Tuning Antisite Defect Density in Perovskite-BaLiF via Cycling between Ball Milling and Heating. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 5121-5124	6.4	3
164	Alkaline-Earth Rhodium Hydroxides: Synthesis, Structures, and Thermal Decomposition to Complex Oxides. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 11217-11224	5.1	7
163	Revealing pH-Dependent Activities and Surface Instabilities for Ni-Based Electrocatalysts during the Oxygen Evolution Reaction. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2884-2890	20.1	44
162	Nano-structured rhodium doped SrTiO <sub>3</sub> as visible light activated photocatalyst for water decontamination. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 547-555	21.8	53
161	Is Geometric Frustration-Induced Disorder a Recipe for High Ionic Conductivity?. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5842-5848	16.4	38

160	In-Depth Analysis of the Conversion Mechanism of TiSnSb vs Li by Operando Triple-Edge X-ray Absorption Spectroscopy: a Chemometric Approach. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 10446-10454	9.6	27
159	Phosphate Ion Functionalization of Perovskite Surfaces for Enhanced Oxygen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3466-3472	6.4	64
158	Nanostructured Ceramics: Ionic Transport and Electrochemical Activity. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2017</b> , 231,	3.1	18
157	Strontium carbonate nanoparticles for the surface treatment of problematic sulfur and iron in waterlogged archaeological wood. <i>Journal of Cultural Heritage</i> , <b>2016</b> , 18, 306-312	2.9	14
156	The application of X-ray absorption spectroscopy in archaeological conservation: Example of an artefact from Henry VIII warship, the Mary Rose. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 451, 49-55	3.9	9
155	Light scattering and computer simulation studies of superionic pure and La-doped BaF <sub>2</sub> . <i>Chemical Physics</i> , <b>2016</b> , 467, 6-12	2.3	1
154	Charge-compensation in 3d-transition-metal-oxide intercalation cathodes through the generation of localized electron holes on oxygen. <i>Nature Chemistry</i> , <b>2016</b> , 8, 684-91	17.6	667
153	Electrochemical recycling of lead from hybrid organic-organic perovskites using deep eutectic solvents. <i>Green Chemistry</i> , <b>2016</b> , 18, 2946-2955	10	35
152	Anion Redox Chemistry in the Cobalt Free 3d Transition Metal Oxide Intercalation Electrode Li[Li <sub>0.2</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> ]O <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 11211-8	16.4	205
151	In situ Fe K-edge X-ray absorption spectroscopy study during cycling of Li <sub>2</sub> FeSiO <sub>4</sub> and Li <sub>2.2</sub> Fe <sub>0.9</sub> SiO <sub>4</sub> Li ion battery materials. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7314-7322	13	19
150	The Application of Ionic Nanoparticles in the Conservation of Archaeological Wood. <i>Macromolecular Symposia</i> , <b>2014</b> , 337, 74-79	0.8	2
149	Electrochromic performances of nonstoichiometric NiO thin films. <i>Thin Solid Films</i> , <b>2014</b> , 553, 63-66	2.2	35
148	The effects of Mary Rose conservation treatment on iron oxidation processes and microbial communities contributing to acid production in marine archaeological timbers. <i>PLoS ONE</i> , <b>2014</b> , 9, e84169	3.7	19
147	An EXAFS study on the photo-assisted growth of silver nanoparticles on titanium dioxide thin-films and the identification of their photochromic states. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8254-63	2.6	15
146	Improving the cyclability of sodium-ion cathodes by selection of electrolyte solvent. <i>Journal of Power Sources</i> , <b>2012</b> , 197, 314-318	8.9	57
145	Application of Microfocus X-Ray Beams from Synchrotrons in Heritage Conservation. <i>International Journal of Architectural Heritage</i> , <b>2012</b> , 6, 228-258	2.1	14
144	Ionic nanoparticles in heritage conservation; treatments for the Mary Rose timbers. <i>Solid State Ionics</i> , <b>2012</b> , 225, 742-746	3.3	10
143	Ionic Transport and Structure in Doped Plastically Crystalline Solids. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2012</b> , 226, 409-420	3.1	1

142	Comparison of a calculated and measured XANES spectrum of $\beta\text{-Fe}_2\text{O}_3$ . <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 12826-34	3.6	22
141	Nanocrystalline $\text{Fe}_{1-x}\text{Co}_x\text{Sn}_2$ solid solutions prepared by reduction of salts in tetraethylene glycol. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3074-3079	5.7	14
140	Nanoparticle de-acidification of the Mary Rose. <i>Materials Today</i> , <b>2011</b> , 14, 354-358	21.8	23
139	Carbon dioxide sensing properties of bismuth cobaltite. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 157, 380-387	8.5	9
138	A Structural Study of Delafossite-type $\text{CuInO}_2$ Thin Films. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 249, 012045	0.3	4
137	In Situ Structural Changes upon Electrochemical Lithium Insertion in Nanosized Anatase $\text{TiO}_2$ . <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 1372-1378	3.8	120
136	Metal Oxide Nanoparticles <b>2010</b> , 1-76		2
135	EXAFS study of dopant ions with different charges in nanocrystalline anatase: evidence for space-charge segregation of acceptor ions. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1238-46	3.2	7
134	Nanosized high voltage cathode material $\text{LiMg}_{0.05}\text{Ni}_{0.45}\text{Mn}_{1.5}\text{O}_4$ : Structural, electrochemical and in situ investigation. <i>Journal of Power Sources</i> , <b>2009</b> , 189, 179-184	8.9	46
133	Synthesis, short-range structure, and electrochemical properties of new phases in the Li-Mn-N-O system. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 5141-53	5.1	12
132	EXAFS study of nanocrystalline $\text{CeO}_2$ samples prepared by sol-gel and ball-milling routes. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 488, 1-4	5.7	18
131	Cobalt Oxalate Nanoribbons as Negative-Electrode Material for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1834-1840	9.6	86
130	Structure and Chemical Bonding in Zr-Doped Anatase $\text{TiO}_2$ Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 43-47	3.8	40
129	Synthesis of ordered mesoporous $\text{NiO}$ with crystalline walls and a bimodal pore size distribution. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5262-6	16.4	256
128	Sulfur and iron speciation in recently recovered timbers of the Mary Rose revealed via X-ray absorption spectroscopy. <i>Journal of Archaeological Science</i> , <b>2008</b> , 35, 1317-1328	2.9	51
127	X-ray Absorption Studies of Nanocomposites. <i>Kluwer International Series in Electronic Materials: Science and Technology</i> , <b>2008</b> , 205-225		
126	The applications of X-ray absorption spectroscopy in the study of nanocrystalline materials and electrochemical systems. <i>Comptes Rendus Chimie</i> , <b>2008</b> , 11, 948-963	2.7	12
125	Structural characterisation of the silica and alumina Zener pinning phases in nanocrystalline $\text{CeO}_2$ by $^{29}\text{Si}$ and $^{27}\text{Al}$ nuclear magnetic resonance. <i>Journal of Nanoparticle Research</i> , <b>2008</b> , 10, 1263-1270	2.3	

124	Low X-Ray Energy Fluorescence Gas Electron Multiplier (GEM) for XAS Studies. <i>IEEE Transactions on Nuclear Science</i> , <b>2007</b> , 54, 2637-2641	1.7	2
123	Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007). <i>Pure and Applied Chemistry</i> , <b>2007</b> , 79, 1801-1829	2.1	383
122	Structural Characterization of SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> Zener-Pinned Nanocrystalline TiO <sub>2</sub> by NMR, XRD and Electron Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 13740-13746	3.8	4
121	Titania and silver/titania composite films on glass/potent antimicrobial coatings. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 95-104		286
120	Characterisation of nanocrystalline magnesium oxide by X-ray absorption spectroscopy. <i>ChemPhysChem</i> , <b>2007</b> , 8, 882-9	3.2	7
119	A <sup>27</sup> Al MAS NMR study of a sol-gel produced alumina: Identification of the NMR parameters of the theta-Al(2)O(3) transition alumina phase. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2007</b> , 31, 169-73	3.1	112
118	Multinuclear MAS NMR Investigation of Sol-Gel and Ball-Milled Nanocrystalline Ga <sub>2</sub> O <sub>3</sub> . <i>Applied Magnetic Resonance</i> , <b>2007</b> , 32, 527-546	0.8	31
117	Relationship between structure and deposition conditions for CuInO <sub>2</sub> thin films. <i>Applied Surface Science</i> , <b>2007</b> , 254, 1343-1346	6.7	15
116	Formation and Oxidation of Nanosized Metal Particles by Electrochemical Reaction of Li and Na with NiCo <sub>2</sub> O <sub>4</sub> : X-ray Absorption Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4636-4642	3.8	94
115	A <sup>27</sup> Al, <sup>29</sup> Si, <sup>25</sup> Mg and <sup>17</sup> O NMR investigation of alumina and silica Zener pinned, sol-gel prepared nanocrystalline ZrO <sub>2</sub> and MgO. <i>Faraday Discussions</i> , <b>2007</b> , 134, 83-102; discussion 103-18, 415-9	3.6	14
114	An XAS study of the defect structure of Ti-doped $\alpha$ -Cr <sub>2</sub> O <sub>3</sub> . <i>Solid State Ionics</i> , <b>2006</b> , 177, 2939-2944	3.3	38
113	X-ray absorption spectroscopic study of LiCoO <sub>2</sub> as the negative electrode of lithium-ion batteries. <i>ChemPhysChem</i> , <b>2006</b> , 7, 1086-91	3.2	23
112	Local atomic and electronic structure in nanocrystalline Sn-doped anatase TiO <sub>2</sub> . <i>ChemPhysChem</i> , <b>2006</b> , 7, 2377-83	3.2	26
111	An XAS Study of the Local Environment of Ions in Soggy Sand Electrolytes. <i>Electrochemical and Solid-State Letters</i> , <b>2006</b> , 9, A564		13
110	Synthesis of ordered mesoporous Fe <sub>3</sub> O <sub>4</sub> and gamma-Fe <sub>2</sub> O <sub>3</sub> with crystalline walls using post-template reduction/oxidation. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12905-9	16.4	293
109	Ordered mesoporous Fe <sub>2</sub> O <sub>3</sub> with crystalline walls. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5468-74	16.4	360
108	Keeping it small: Restricting the growth of nanocrystals. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, L163-L170	1.8	16
107	X-ray absorption studies of the structure of nanocrystalline oxides. <i>Solid State Ionics</i> , <b>2006</b> , 177, 2481-2485	3.5	10

106	Structural studies of nanocrystalline oxides. <i>Solid State Ionics</i> , <b>2006</b> , 177, 2519-2526	3.3	14
105	Structure and dynamics in nanoionic materials. <i>Solid State Ionics</i> , <b>2006</b> , 177, 3001-3008	3.3	35
104	Evaluation of structural and electrochemical properties of the MnSb <sub>2</sub> Te system as anode for Li-ion batteries. <i>Hyperfine Interactions</i> , <b>2006</b> , 167, 773-778	0.8	4
103	Spectroscopic and computer modelling studies of mixed-cation superionic fluorites. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 6575-6586	1.8	3
102	N <sub>2</sub> O Temperature-Programmed Oxidation and EXAFS Studies on the Dispersion of Copper in Ceria-Supported Nanocatalysts. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3935-3943	9.6	12
101	The oxygen vacancy in crystal phases of WO <sub>3</sub> . <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3146-56	3.4	170
100	The anion disorder in the perovskite fluoride KCaF <sub>3</sub> . <i>Solid State Ionics</i> , <b>2005</b> , 176, 1571-1575	3.3	17
99	Lithium ion transport and microstructure in nanocrystalline lithium niobate. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 302-305		18
98	EXAFS studies of lithium manganese oxides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 657-660		1
97	EXAFS study of confined nanocrystalline oxides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 661-664		8
96	Structural studies of silica- and alumina-pinned nanocrystalline SnO <sub>2</sub> . <i>Nanotechnology</i> , <b>2005</b> , 16, 1836-1843	3.4	21
95	The interdependence of defects, electronic structure and surface chemistry. <i>Dalton Transactions</i> , <b>2004</b> , 3076-84	4.3	15
94	The Synthesis and Characterisation of Nanocrystalline Lithium Niobate. <i>Radiation Effects and Defects in Solids</i> , <b>2003</b> , 158, 197-201	0.9	17
93	Small, but Perfectly Formed: The Microstructure of Nanocrystalline Oxides. <i>Radiation Effects and Defects in Solids</i> , <b>2003</b> , 158, 21-30	0.9	4
92	The Stabilization of Metal Oxide Nanocrystals by the Addition of Alumina. <i>Radiation Effects and Defects in Solids</i> , <b>2003</b> , 158, 209-213	0.9	7
91	EXAFS Study of Dopant Segregation (Zn, Nb) in Nanocrystalline Anatase (TiO <sub>2</sub> ). <i>Chemistry of Materials</i> , <b>2003</b> , 15, 4996-5002	9.6	45
90	Restricting the High-Temperature Growth of Nanocrystalline Tin Oxide. <i>Radiation Effects and Defects in Solids</i> , <b>2003</b> , 158, 73-76	0.9	7
89	A comparison of the extended x-ray absorption fine structure of nanocrystalline ZrO <sub>2</sub> prepared by high-energy ball milling and other methods. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 431-440	1.8	29

88	A study of stability of plasticized PEO electrolytes. <i>Solid State Ionics</i> , <b>2002</b> , 146, 143-150	3.3	38
87	Exafs studies of LiYF 4 -LiREF 4 solid solutions. <i>Radiation Effects and Defects in Solids</i> , <b>2002</b> , 157, 1173-1176	3.6	1
86	Characterization of Nanocrystalline Oxides by Exafs Spectroscopy <b>2002</b> , 133-164		6
85	Investigation of the superionic behaviour of BaF 2 ( x mol% LaF 3 ) by raman and brillouin scattering and molecular dynamics simulations. <i>Radiation Effects and Defects in Solids</i> , <b>2002</b> , 157, 783-788	3.9	4
84	Computational studies of the structural and transport properties of the cellulose/water/amine oxide system. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 3407-3414	3.6	2
83	Defects and protons in the CaZrO3 perovskite and Ba2In2O5 brownmillerite: computer modelling and EXAFS studies. <i>Solid State Ionics</i> , <b>2001</b> , 145, 333-338	3.3	27
82	Extended X-ray absorption fine structure studies of the role of chromium in leather tanning. <i>Polyhedron</i> , <b>2001</b> , 20, 461-466	2.7	14
81	Solid-State NMR and X-ray Studies of the Structural Evolution of Nanocrystalline Zirconia. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 1219-1229	9.6	85
80	Cluster and periodic ab initio calculations on the adsorption of CO2 on the SnO2(110) surface. <i>Surface Science</i> , <b>2001</b> , 478, 25-34	1.8	25
79	Cation dopant sites in the CaZrO3 proton conductor: a combined EXAFS and computer simulation study. <i>Solid State Ionics</i> , <b>2000</b> , 130, 115-122	3.3	36
78	An EXAFS Study of Nanocrystalline Yttrium Stabilized Cubic Zirconia Films and Pure Zirconia Powders. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 9597-9606	3.4	60
77	EXAFS studies of the cation sites in BIMEVOX fast-ion conductors. <i>Solid State Ionics</i> , <b>1999</b> , 119, 79-84	3.3	16
76	Synthesis and coordination chemistry of 1-phenyl-1-phospha-4,7-dithiacyclononane. <i>Inorganica Chimica Acta</i> , <b>1999</b> , 294, 170-178	2.7	13
75	Water sorption in resin-modified glass-ionomer cements: an in vitro comparison with other materials. <i>Biomaterials</i> , <b>1998</b> , 19, 545-50	15.6	59
74	The effects of crystallite growth and dopant migration on the carbon monoxide sensing characteristics of nanocrystalline tin oxide based sensor materials. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 2065-2071		70
73	The Characterisation of Solids by Nuclear Magnetic Resonance and X-Ray Absorption Spectroscopy. <i>Molecular Simulation</i> , <b>1998</b> , 21, 105-126	2	2
72	Oxygen Speciation in Nanophase MgO from Solid-State 17O NMR. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 864-870	3.7	70
71	The Preparation of Nanocrystalline Oxides and Their Characterisation using Synchrotron Techniques. <i>Materials Science Forum</i> , <b>1997</b> , 239-241, 683-686	0.4	6

70	EXAFS analysis of the structural evolution of gel-formed La <sub>2</sub> O <sub>3</sub> . <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 285-291		19
69	A Combined EXAFS and Diffraction Study of Pure and Doped Nanocrystalline Tin Oxide. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 9901-9908	3.4	66
68	An EXAFS study of the Ni dopant site in BaLiF. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 10679-10685.	8	16
67	Examination of the mixed-alkali effect in (Li,Na) disilicate glasses by nuclear magnetic resonance and conductivity measurements. <i>Solid State Nuclear Magnetic Resonance</i> , <b>1995</b> , 5, 133-43	3.1	36
66	EXAFS evidence of interstitial oxygen defects in Nd <sub>2</sub> CuO <sub>4</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>1995</b> , 246, 345-350	1.3	17
65	The atomic and electronic structure of cerium substitutional defects in Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> . An XAS study. <i>Physica C: Superconductivity and Its Applications</i> , <b>1995</b> , 253, 147-155	1.3	24
64	Non-cooperative Jahn-Teller effect in LiNiO <sub>2</sub> : An EXAFS study. <i>Solid State Communications</i> , <b>1995</b> , 94, 123-127	1.6	155
63	Nanocrystalline nickel doped zinc oxide gas sensors. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1995</b> , 97, 575-578	1.2	11
62	A combined computer simulation and EXAFS study of dopant clustering in lanthanum oxide. <i>Radiation Effects and Defects in Solids</i> , <b>1995</b> , 134, 91-94	0.9	1
61	Nanocrystalline copper doped zinc oxide gas sensors. <i>Radiation Effects and Defects in Solids</i> , <b>1995</b> , 137, 51-55	0.9	10
60	On the substitution site of Cr and Fe in LiNbO <sub>3</sub> : an exafs study. <i>Radiation Effects and Defects in Solids</i> , <b>1995</b> , 134, 219-222	0.9	11
59	Exafs studies of disorder in CdF <sub>2</sub> -PbF <sub>2</sub> systems. <i>Radiation Effects and Defects in Solids</i> , <b>1995</b> , 137, 159-163.	9	2
58	Stoichiometry and structure of copper-doped LiNbO <sub>3</sub> and LiTaO <sub>3</sub> . <i>Journal of Materials Chemistry</i> , <b>1995</b> , 5, 1043		6
57	Nanocrystalline metal oxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>1994</b> , 18, 99-102	8.5	23
56	Ionic environment and transport in polymer electrolytes. <i>Solid State Ionics</i> , <b>1994</b> , 72, 147-151	3.3	3
55	Thermoluminescence of calcium fluoride doped with neodymium. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 9255-9266	1.8	16
54	Thermoelectric power studies of bismuth oxide and mixed oxides based on bismuth oxide. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1993</b> , 68, 787-797		5
53	Diffusion in Fast-Ion Conductors: Unsolved Problems. <i>Defect and Diffusion Forum</i> , <b>1992</b> , 83, 235-258	0.7	2



52	The effect of carbon monoxide and methane on the electrical conductivity of TiO <sub>2</sub> single crystals. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1991</b> , 64, 999-1010		3
51	Single-crystal metal oxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>1991</b> , 4, 467-472	8.5	24
50	A microprocessor-controlled nitrogen dioxide sensing system. <i>Sensors and Actuators B: Chemical</i> , <b>1991</b> , 4, 499-504	8.5	25
49	A structural basis for ionic diffusion in oxide glasses. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1991</b> , 64, 1059-1072		122
48	Laser excited luminescence of CaF <sub>2</sub> :Ho. The role of phonons. <i>Journal of Physics Condensed Matter</i> , <b>1991</b> , 3, 5407-5414	1.8	2
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