

# Aldo F Craievich

## 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.

210  
papers

5,243  
citations

38  
h-index

63  
g-index

214  
ext. papers

5,539  
ext. citations

3.6  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
210	Highly oriented NiSi <sub>2</sub> @Si thin-nanocomposite produced by solid state diffusion: Morphological and crystallographic characterization. <i>Surfaces and Interfaces</i> , <b>2022</b> , 29, 101763	4.1	1
209	NiO/CeO <sub>2</sub> -Sm <sub>2</sub> O <sub>3</sub> nanocomposites for partial oxidation of methane: In-situ experiments by dispersive X-ray absorption spectroscopy. <i>Applied Catalysis A: General</i> , <b>2021</b> , 626, 118357	5.1	2
208	In situ study of the process of formation of hexagonal NiSi <sub>2</sub> nanoplates and spherical Ni nanoparticles embedded in a Si(001) wafer covered by a Ni-doped SiO <sub>2</sub> thin film. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 879, 160345	5.7	0
207	Determination of the melting temperature of spherical nanoparticles in dilute solution as a function of their radius by exclusively using the small-angle X-ray scattering technique. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 455-463	3.8	1
206	Crystal structure, cobalt and iron speciation and oxygen non-stoichiometry of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>1-y</sub> FeyO <sub>3-<math>\delta</math></sub> nanorods for IT-SOFC cathodes. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 817, 153250	5.7	5
205	Synchrotron radiation in Brazil. Past, present and future. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 167, 108253	5.3	2
204	Synchrotron Radiation Applied to Real-Time Studies of the Kinetics of Growth of Aluminum Nitride Thin Multilayers. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 1679-1687	3.4	
203	SAXSMoW 2.0: Online calculator of the molecular weight of proteins in dilute solution from experimental SAXS data measured on a relative scale. <i>Protein Science</i> , <b>2019</b> , 28, 454-463	6.3	66
202	In situ study of the kinetics of growth of Pb nanoparticles embedded in a PbO-B <sub>2</sub> O <sub>3</sub> glass. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 395-405	3.8	
201	Small-Angle X-ray Scattering by Nanostructured Materials <b>2018</b> , 1185-1230		1
200	Melting and freezing temperatures of confined Bi nanoparticles over a wide size range. <i>Journal of Applied Crystallography</i> , <b>2017</b> , 50, 1590-1600	3.8	4
199	X-Ray Diffraction and Scattering by Nanomaterials <b>2017</b> , 111-182		7
198	( $\begin{matrix} \text{ccc} \\ \text{cc} \end{matrix}$ ) preferential orientation of polycrystalline AlN grown on SiO <sub>2</sub> /Si wafers by reactive sputter magnetron technique. <i>EPJ Applied Physics</i> , <b>2016</b> , 74, 10301	1.1	2
197	Structural characterization, thermal properties, and density functional theory studies of PMMA-maghemite hybrid material. <i>Polymer Composites</i> , <b>2016</b> , 37, 51-60	3	7
196	Acidification treatment of lignin from sugarcane bagasse results in fractions of reduced polydispersity and high free-radical scavenging capacity. <i>Industrial Crops and Products</i> , <b>2016</b> , 83, 94-103	5.9	29
195	Effect of Nanoclustering and Dipolar Interactions in Heat Generation for Magnetic Hyperthermia. <i>Langmuir</i> , <b>2016</b> , 32, 1201-13	4	102
194	Small-Angle X-ray Scattering by Nanostructured Materials <b>2016</b> , 1-46		2

193	Effects of the Incorporation of Sc <sub>2</sub> O <sub>3</sub> into CeO <sub>2</sub> /ZrO <sub>2</sub> Solid Solution: Structural Characterization and in Situ XANES/TPR Study under H <sub>2</sub> Atmosphere. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24165-24175	3.8	5
192	Determination of the melting and freezing temperatures of Pb nanoparticles embedded in a PbO/B <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> glass by using only the SAXS method. <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 520-527	3.8	4
191	Controlled growth of extended arrays of CoSi <sub>2</sub> hexagonal nanoplatelets buried in Si(001), Si(011) and Si(111) wafers. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 4945-51	3.6	8
190	Structural and morphological properties of Ce(1-x)FexO <sub>2</sub> synthesized by citrate route. <i>Ceramics International</i> , <b>2015</b> , 41, 13721-13730	5.1	9
189	Synthesis of ultra-small cysteine-capped gold nanoparticles by pH switching of the Au(I)-cysteine polymer. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 441, 17-24	9.3	13
188	In situ study of the endotaxial growth of hexagonal CoSi <sub>2</sub> nanoplatelets in Si(001). <i>Applied Physics Letters</i> , <b>2015</b> , 107, 223101	3.4	6
187	DIFRAÇÃO E ESPALHAMENTO DE RAIOS X POR NANOMATERIAIS <b>2015</b> , 129-218		
186	Phase Identification of Cu-In Alloys with 45 and 41.25 at.% In Compositions. <i>Journal of Phase Equilibria and Diffusion</i> , <b>2014</b> , 35, 2-10	1	6
185	Nanostructured ZnO thin films prepared by sol-gel spin-coating. <i>Applied Surface Science</i> , <b>2014</b> , 317, 19-256.7		22
184	X-ray reflectivity analysis of titanium dioxide thin films grown by cathodic arc deposition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 3902-9	1.3	2
183	Nanostructured Materials: Formation, Characterization, and Properties Latest Advances in 1D, 2D, and 3D Nanostructures. <i>Advances in Materials Science and Engineering</i> , <b>2014</b> , 2014, 1-2	1.5	1
182	Clay-containing block copolymer nanocomposites with aligned morphology prepared by extrusion. <i>Polymer International</i> , <b>2014</b> , 63, 184-194	3.3	11
181	Morphological evolution of oriented clay-containing block copolymer nanocomposites under elongational flow. <i>European Polymer Journal</i> , <b>2013</b> , 49, 1391-1405	5.2	18
180	Crystallographic characterization of Cu <sub>3</sub> In alloys in the 30-70 at.% In region. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , <b>2013</b> , 43, 1-6	1.9	4
179	Reactive sputter magnetron reactor for preparation of thin films and simultaneous in situ structural study by X-ray diffraction. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 015102	1.7	3
178	Structural features of lignin obtained at different alkaline oxidation conditions from sugarcane bagasse. <i>Industrial Crops and Products</i> , <b>2012</b> , 35, 61-69	5.9	53
177	Size-dependent phase transitions in nanostructured zirconia/candia solid solutions. <i>RSC Advances</i> , <b>2012</b> , 2, 5205	3.7	10
176	Formation of an extended CoSi <sub>2</sub> thin nanohexagons array coherently buried in silicon single crystal. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 063116	3.4	8

175	Shape changes of Pt nanoparticles induced by deposition on mesoporous silica. <i>Small</i> , <b>2012</b> , 8, 468-73	11	17
174	Structural characterization of supported nanocrystalline ZnO thin films prepared by dip-coating. <i>Applied Surface Science</i> , <b>2011</b> , 257, 10045-10051	6.7	20
173	Tetragonal-cubic phase boundary in nanocrystalline ZrO <sub>2</sub> /ZrO <sub>3</sub> solid solutions synthesized by gel-combustion. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5177-5182	5.7	7
172	Retention at room temperature of the tetragonal t'-form in Sc <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> nanopowders. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 561-564	5.7	10
171	Crystallite size-dependent phases in nanocrystalline ZrO(2)-Sc(2)O(3). <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2822-9	3.6	15
170	Quantitative analysis and relevant features of the scientific literature related to SAXS and SANS. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 247, 012003	0.3	2
169	Determination of the molecular weight of proteins in solution from a single small-angle X-ray scattering measurement on a relative scale. <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 101-109	3.8	34 <sup>0</sup>
168	Local atomic structure in tetragonal pure ZrO <sub>2</sub> nanopowders. <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 227-236	3.8	17
167	Structure of PbTe(SiO <sub>2</sub> )/SiO <sub>2</sub> multilayers deposited on Si(111). <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 385-393	3.8	16
166	Crystalline structure of human enamel irradiated with Er,Cr:YSGG laser. <i>Laser Physics Letters</i> , <b>2009</b> , 6, 159-162	1.5	28
165	Metastable Phase Diagram of Nanocrystalline ZrO <sub>2</sub> /ZrO <sub>3</sub> Solid Solutions. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18661-18666	3.8	12
164	Effects of Synthesis Conditions on the Nanostructure of Hybrid Sols Produced by the Hydrolytic Condensation of (3-Methacryloxypropyl)trimethoxysilane. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14708-14714	3.8	10
163	High-temperature X-ray powder diffraction study of the tetragonal-cubic phase transition in nanocrystalline, compositionally homogeneous ZrO <sub>2</sub> /ZrO <sub>3</sub> solid solutions. <i>Powder Diffraction</i> , <b>2008</b> , 23, S70-S74	1.8	6
162	Interleukin-22 forms dimers that are recognized by two interleukin-22R1 receptor chains. <i>Biophysical Journal</i> , <b>2008</b> , 94, 1754-65	2.9	4 <sup>0</sup>
161	Crystal structure and local order of nanocrystalline zirconia-based solid solutions. <i>Powder Diffraction</i> , <b>2008</b> , 23, S46-S55	1.8	2
160	Melting and freezing of spherical bismuth nanoparticles confined in a homogeneous sodium borate glass. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	21
159	Synchrotron X-ray powder diffraction study of the tetragonal-cubic phase transition in nanostructured ZrO <sub>2</sub> -Sc <sub>2</sub> O <sub>3</sub> solid solutions. <i>Powder Diffraction</i> , <b>2008</b> , 23, S87-S90	1.8	1
158	Synchrotron X-ray powder diffraction and extended X-ray absorption fine structure spectroscopy studies on nanocrystalline ZrO <sub>2</sub> /ZrO <sub>3</sub> solid solutions. <i>Journal of Applied Crystallography</i> , <b>2008</b> , 41, 680-689	3.8	11

157	All-optical switching device for infrared based on PbTe quantum dots. <i>Superlattices and Microstructures</i> , <b>2008</b> , 43, 626-634	2.8	19
156	Growth and melting of metallic nanoclusters in glass: A review of recent investigations. <i>Crystallography Reports</i> , <b>2008</b> , 53, 1241-1251	0.6	3
155	Anomalous Vibrational Properties Induced by Surface Effects in Capped Pt Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7599-7604	3.8	10
154	Thiol-Capped Gold Nanoparticles on Graphite: Spontaneous Adsorption and Electrochemically Induced Release. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7179-7184	3.8	29
153	Low-resolution structures of thyroid hormone receptor dimers and tetramers in solution. <i>Biochemistry</i> , <b>2007</b> , 46, 1273-83	3.2	10
152	Microstructural characterization of dispersion-strengthened Cu <sub>31</sub> Zn <sub>69</sub> alloys obtained by reaction milling. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 454-455, 183-193	5.3	12
151	XAFS, SAXS and HREM characterization of Pd nanoparticles capped with n-alkyl thiol molecules. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 389, 150-154	2.8	27
150	Dynamical scaling properties of nanoporous undoped and Sb-doped SnO <sub>2</sub> supported thin films during tri- and bidimensional structure coarsening. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	5
149	PbTe quantum dots multilayer for optical switching device <b>2007</b> , 6640, 47		
148	Crystal structure of pure ZrO <sub>2</sub> nanopowders. <i>Scripta Materialia</i> , <b>2006</b> , 55, 553-556	5.6	60
147	Local structure of the metal-oxygen bond in compositionally homogeneous, nanocrystalline zirconia-titania solid solutions synthesized by a gel-combustion process. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 7863-7881	1.8	15
146	Structural rearrangements in the thyroid hormone receptor hinge domain and their putative role in the receptor function. <i>Journal of Molecular Biology</i> , <b>2006</b> , 360, 586-98	6.5	97
145	Local and nanoscopic structure of potassium triflate-doped siloxane-polyoxyethylene ormolytes. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 3457-3462	3.9	6
144	Montmorillonite (MMT) effect on the structure of poly(oxyethylene) (PEO)/MMT nanocomposites and silica/PEO/MMT hybrid materials. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 3705-3710	3.9	45
143	Structure of nanoporous zirconia-based powders synthesized by different gel-combustion routes. <i>Journal of Applied Crystallography</i> , <b>2006</b> , 40, s147-s152	3.8	3
142	Structure and melting of Pb nanocrystals produced by mechanical alloying of Fe/Pb powder mixtures. <i>Acta Materialia</i> , <b>2006</b> , 54, 5095-5102	8.4	10
141	Small angle X-ray scattering study of surface modified tin oxide nanoparticles prepared by sol-gel route. <i>Journal of Sol-Gel Science and Technology</i> , <b>2006</b> , 37, 213-217	2.3	3
140	Nanostructure and luminescent properties of sol-gel derived europium-doped amine functionalised hybrids. <i>Journal of Sol-Gel Science and Technology</i> , <b>2006</b> , 37, 99-104	2.3	5

139	Structural insights into the beta-xylosidase from <i>Trichoderma reesei</i> obtained by synchrotron small-angle X-ray scattering and circular dichroism spectroscopy. <i>Biochemistry</i> , <b>2005</b> , 44, 15578-84	3.2	8
138	Structural model of gelation processes of a sodium silicate sol destabilized by calcium ions: combination of SAXS and rheological measurements. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 351-354	3.9	17
137	Local structure and near-infrared emission features of neodymium-based amine functionalized organic/inorganic hybrids. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 20093-104	3.4	51
136	Nanocrystalline anatase thin films prepared from redispersible sol-gel powders. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 2175-2180	6	11
135	Effect of salt nature on structure and ionic conductivity of sodium-doped siloxane-BPO ormolytes. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 2617-2621	6	3
134	Complementary methods for cluster size distribution measurements: supported platinum nanoclusters in methane reforming catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 228, 299-307		39
133	Preparation and characterization of Ce/Zr mixed oxides and their use as catalysts for the direct oxidation of dry CH <sub>4</sub> . <i>Catalysis Today</i> , <b>2005</b> , 107-108, 53-59	5.3	38
132	Synchrotron X-ray diffraction study of the tetragonal-cubic phase boundary of nanocrystalline ZrO <sub>2</sub> -CeO <sub>2</sub> synthesized by a gel-combustion process. <i>Journal of Applied Crystallography</i> , <b>2005</b> , 38, 867-873	3.8	55
131	Low resolution structural study of two human HSP40 chaperones in solution. DJA1 from subfamily A and DJB4 from subfamily B have different quaternary structures. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 13671-81	5.4	52
130	Average protein density is a molecular-weight-dependent function. <i>Protein Science</i> , <b>2004</b> , 13, 2825-8	6.3	463
129	Niobium and chromium rich coatings tailored by laser alloying: XRD analysis at high temperatures. <i>Materials Research</i> , <b>2004</b> , 7, 49-52	1.5	5
128	Isothermal aggregation of Ag atoms in sodium borate glass. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	22
127	Crystalline structure of dental enamel after Ho:YLF laser irradiation. <i>Archives of Oral Biology</i> , <b>2004</b> , 49, 923-9	2.8	33
126	Conformation of the Z19 prolamin by FTIR, NMR, and SAXS. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 2382-5	5.7	40
125	Effect of presence of an acid catalyst on structure and properties of iron-doped siloxane-polyoxyethylene nanocomposites prepared by sol-gel. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 345-346, 585-590	3.9	8
124	Study on the initial stages of water corrosion of fluorozirconate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 348, 38-43	3.9	9
123	Low resolution structures of the retinoid X receptor DNA-binding and ligand-binding domains revealed by synchrotron X-ray solution scattering. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 16030-8	5.4	12
122	Structure of Redispersible SnO <sub>2</sub> Nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 28, 45-50	3	3

121	Setup for in situ WAXS/SAXS studies of the formation and growth of Bi nanodroplets and the melting of Bi nanocrystals using synchrotron radiation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 199, 112-116	1.2	9
120	Structure of luminescent mono and di-urethanesil nanocomposites doped with Eu <sup>3+</sup> ions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 199, 117-122	1.2	4
119	Time evolution of Cr and N on AISI 304 steel surface during pulsed plasma ion nitriding. <i>Thin Solid Films</i> , <b>2003</b> , 424, 130-138	2.2	11
118	Nanostructure and properties of ZnO films produced by the pyrosol process. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 435-438	3.8	6
117	Small-angle X-ray and nuclear-magnetic resonance study of siloxane-PMMA hybrids prepared by the sol-gel process. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 473-477	3.8	20
116	Small-angle X-ray scattering and X-ray absorption near-edge structure study of iron-doped siloxane-polyoxyethylene nanocomposites. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 405-409	3.8	9
115	Characterization of the porosity developed in a new titania-alumina catalyst support prepared by the sol gel route. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 469-472	3.8	11
114	Structural characterization of undoped and Sb-doped SnO <sub>2</sub> thin films fired at different temperatures. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 736-739	3.8	10
113	Gelation and drying of weakly bonded silica-PPO nanocomposites. <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 689-693	3.8	3
112	Structure of magnetic poly(oxyethylene)siloxane nanohybrids doped with Fe <sup>II</sup> and Fe <sup>III</sup> . <i>Journal of Applied Crystallography</i> , <b>2003</b> , 36, 961-966	3.8	8
111	Synchrotron SAXS Study of the Mechanisms of Aggregation of Sulfate Zirconia Sols. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 3390-3399	3.4	22
110	Domain motions and quaternary packing of phosphofructokinase-2 from Escherichia coli studied by small angle x-ray scattering and homology modeling. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 12913-9	5.4	13
109	Free human mitochondrial GrpE is a symmetric dimer in solution. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 35337-44	5.4	22
108	Isothermal aggregation of Bi atoms embedded in a soda borate glass: Coarsening of liquid nanodroplets and atomic diffusion. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	8
107	Aggregation processes and formation of silico-calco-alkaline gels under high ionic strength. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 253, 140-9	9.3	14
106	Phase transitions in Nb rich coating produced by laser alloying: a synchrotron radiation diffraction study. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2002</b> , 336, 215-218	5.3	11
105	Ion nitriding of stainless steels. Real time surface characterization by synchrotron X-ray diffraction. <i>Surface and Coatings Technology</i> , <b>2002</b> , 154, 167-175	4.4	46
104	Structural electrical and optical properties of undoped and indium doped ZnO thin films prepared by the pyrosol process at different temperatures. <i>Thin Solid Films</i> , <b>2002</b> , 416, 284-293	2.2	59

103	Structure characterization and mechanism of growth of PbTe nanocrystals embedded in a silicate glass. <i>Physical Review Letters</i> , <b>2002</b> , 89, 235503	7.4	24
102	Synchrotron SAXS Studies of Nanostructured Materials and Colloidal Solutions: A Review. <i>Materials Research</i> , <b>2002</b> , 5, 1-11	1.5	33
101	SAXS Study of Formation and Growth of Tin Oxide Nanoparticles in the Presence of Complexing Ligands. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 2855-2860	3.4	39
100	Small-Angle X-ray Scattering Study of Gelation and Aging of Eu <sup>3+</sup> -Doped Sol-Gel-Derived Siloxane-Poly(oxyethylene) Nanocomposites. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 4377-4382	3.4	18
99	Structural insights into the beta-mannosidase from <i>T. reesei</i> obtained by synchrotron small-angle X-ray solution scattering enhanced by X-ray crystallography. <i>Biochemistry</i> , <b>2002</b> , 41, 9370-5	3.2	14
98	Structure and melting of Bi nanocrystals embedded in a B <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O glass. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	42
97	Chamber for in situ WAXS, SAXS and GISAXS studies: application to plasma induced transformations in steels. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2001</b> , 467-468, 1097-1100	1.2	4
96	Electrochromic properties of NiO-based thin films prepared by sol-gel and dip coating. <i>Electrochimica Acta</i> , <b>2001</b> , 46, 2275-2279	6.7	36
95	Crystal structure of the dimeric phosphoenolpyruvate carboxykinase (PEPCK) from <i>Trypanosoma cruzi</i> at 2 Å resolution. <i>Journal of Molecular Biology</i> , <b>2001</b> , 313, 1059-72	6.5	55
94	Structure of SnO <sub>2</sub> alcosols and films prepared by sol-gel dip coating. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 284, 61-67	3.9	25
93	Nucleation and growth of CdTe <sub>1-x</sub> S <sub>x</sub> nanocrystals embedded in a borosilicate glass. Effects of sulfur content and two-step thermal annealing. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 293-295, 517-526	3.9	15
92	Structural modelling of Eu <sup>3+</sup> -based siloxane-poly(oxyethylene) nanohybrids. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 3249-3257		45
91	Structure and Luminescence of Eu <sup>3+</sup> -Doped Class I Siloxane-Poly(ethylene glycol) Hybrids. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2818-2823	9.6	65
90	Sol phase and sol-gel transition in SnO <sub>2</sub> colloidal suspensions. <i>Journal of Applied Crystallography</i> , <b>2000</b> , 33, 609-613	3.8	7
89	Structure of weakly bonded PPG-silica nanocomposites. <i>Journal of Applied Crystallography</i> , <b>2000</b> , 33, 700-703	3.8	10
88	Fractal structure of basic silica gels with low Ca content. <i>Journal of Applied Crystallography</i> , <b>2000</b> , 33, 597-599	3.8	11
87	Porous structure of NiO-based xerogels. <i>Journal of Applied Crystallography</i> , <b>2000</b> , 33, 478-482	3.8	1
86	Drying Study of Siloxane-PPG Nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 137-144	3.4	7



85	EXAFS, SAXS and Eu <sup>3+</sup> Luminescence Spectroscopy of Sol-Gel Derived Siloxane-Polyethyleneoxide Hybrids. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 615-620	2.3	16
84	Effect of Addition of MTES on the Structure of Siloxane-PPG Nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 429-433	2.3	4
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