

Piero Riello

List of Publications by Year in descending order

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133
papers

3,797
citations

109264

35
h-index

168321

53
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135
all docs

135
docs citations

135
times ranked

5072
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of magnetic nanoparticles by laser ablation of strontium ferrite under water and their characterization by optically detected magnetophoresis supported by BEM calculations. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3819-3825.	2.7	4
2	Mesoporous zirconia nanoparticles as drug delivery systems: Drug loading, stability and release. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102189.	1.4	7
3	Ag-sensitized Tb ³⁺ /Yb ³⁺ codoped silica-zirconia glasses and glass-ceramics: Systematic and detailed investigation of the broadband energy-transfer and downconversion processes. <i>Ceramics International</i> , 2021, 47, 17939-17949.	2.3	9
4	Confined-Melting-Assisted Synthesis of Bismuth Silicate Glass-Ceramic Nanoparticles: Formation and Optical Thermometry Investigation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55195-55204.	4.0	35
5	Upconversion-mediated Boltzmann thermometry in double-layered Bi ₂ /SiO ₅ :Yb ³⁺ ,Tm ³⁺ @SiO ₂ hollow nanoparticles. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7828-7836.	2.7	61
6	Ag-Sensitized NIR-Emitting Yb ³⁺ -Doped Glass-Ceramics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2184.	1.3	10
7	Lanthanide-Doped Bi ₂ /SiO ₅ @SiO ₂ Core-Shell Upconverting Nanoparticles for Stable Ratiometric Optical Thermometry. <i>ACS Applied Nano Materials</i> , 2020, 3, 2594-2604.	2.4	55
8	Zirconia-Based Magnetoplasmonic Nanocomposites: A New Nanotool for Magnetic-Guided Separations with SERS Identification. <i>ACS Applied Nano Materials</i> , 2020, 3, 1232-1241.	2.4	14
9	Large-Scale CMOS-Compatible Process for growing Si-BC8 Nanowires. , 2020, , .		0
10	Lanthanide-Doped Bismuth-Based Fluoride Nanocrystalline Particles: Formation, Spectroscopic Investigation, and Chemical Stability. <i>Chemistry of Materials</i> , 2019, 31, 8504-8514.	3.2	29
11	Bi ₂ /SiO ₅ @g-SiO ₂ upconverting nanoparticles: a bismuth-driven core-shell self-assembly mechanism. <i>Nanoscale</i> , 2019, 11, 675-687.	2.8	31
12	Growth of nanostructured silicon by microwave/nano-susceptors technique with low substrate temperature. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 22-28.	1.9	1
13	Silicon nanowires to detect electric signals from living cells. <i>Materials Research Express</i> , 2019, 6, 084005.	0.8	9
14	Bismuth titanate-based UV filters embedded mesoporous silica nanoparticles: Role of bismuth concentration in the self-sealing process. <i>Journal of Colloid and Interface Science</i> , 2019, 549, 1-8.	5.0	24
15	High-temperature compressive creep of novel fine-grained orthorhombic ZrO ₂ ceramics stabilized with 12 mol% Ta doping. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2445-2448.	2.8	5
16	Insight into the Upconversion Luminescence of Highly Efficient Lanthanide-Doped Bi ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7389-7398.	1.5	28
17	Some crystallographic considerations on the novel orthorhombic ZrO ₂ stabilized with Ta doping. <i>Ceramics International</i> , 2018, 44, 10362-10366.	2.3	6
18	CMOS Compatible, Low Temperature, growth of Silicon Nanowires by Microwave nano-susceptors. , 2018, , .		1

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19	Inorganic Nanoparticles for Cancer Therapy: A Transition from Lab to Clinic. <i>Current Medicinal Chemistry</i> , 2018, 25, 4269-4303.	1.2	150
20	Ag-Sensitized Yb ³⁺ Emission in Glass-Ceramics. <i>Micromachines</i> , 2018, 9, 380.	1.4	10
21	Ag nanoaggregates as efficient broadband sensitizers for Tb ³⁺ ions in silica-zirconia ion-exchanged sol-gel glasses and glass-ceramics. <i>Optical Materials</i> , 2018, 84, 668-674.	1.7	14
22	Carbon Dots from Sugars and Ascorbic Acid: Role of the Precursors on Morphology, Properties, Toxicity, and Drug Uptake. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 832-837.	1.3	95
23	Role of Ag multimers as broadband sensitizers in Tb ³⁺ /Yb ³⁺ co-doped glass-ceramics. , 2018, , .		1
24	Continuous-Flow Alkylation of Biobased Derivatives with Dialkyl Carbonates in the Presence of Magnesium-Aluminium Hydrotalcites as Catalyst Precursors. <i>ChemSusChem</i> , 2017, 10, 1571-1583.	3.6	13
25	Bottom-up synthesis of carbon nanoparticles with higher doxorubicin efficacy. <i>Journal of Controlled Release</i> , 2017, 248, 144-152.	4.8	51
26	Tuning the upconversion light emission by bandgap engineering in bismuth oxide-based upconverting nanoparticles. <i>Nanoscale</i> , 2017, 9, 6353-6361.	2.8	33
27	Orthorhombic phase stabilization and transformation phase process in zirconia tantalum-doped powders and spark plasma sintering systems. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3393-3401.	2.8	6
28	Ceramics of Ta-doping stabilized orthorhombic ZrO ₂ densified by spark plasma sintering and the effect of post-annealing in air. <i>Scripta Materialia</i> , 2017, 130, 128-132.	2.6	14
29	Formation and Controlled Growth of Bismuth Titanate Phases into Mesoporous Silica Nanoparticles: An Efficient Self-Sealing Nanosystem for UV Filtering in Cosmetic Formulation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1913-1921.	4.0	53
30	Pegylated silica nanoparticles: cytotoxicity and macrophage uptake. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	11
31	Towards life in hydrocarbons: aggregation behaviour of reverse-surfactants in cyclohexane. <i>RSC Advances</i> , 2017, 7, 15337-15341.	1.7	10
32	Towards a Rational Design of a Continuous-Flow Method for the Acetalization of Crude Glycerol: Scope and Limitations of Commercial Amberlyst 36 and AlF ₃ ·3H ₂ O as Model Catalysts. <i>Molecules</i> , 2016, 21, 657.	1.7	27
33	Small-angle scattering behavior of thread-like and film-like systems. <i>Journal of Applied Crystallography</i> , 2016, 49, 260-276.	1.9	3
34	On the synthesis and thermal stability of RuN, an uncommon nitride. <i>Surface and Coatings Technology</i> , 2016, 295, 93-98.	2.2	6
35	Determining europium compositional fluctuations in partially stabilized zirconia nanopowders: a non-line-broadening-based method. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 29-38.	0.5	3
36	3-D flower like Ce-Zr-Cu mixed oxide systems in the CO preferential oxidation (CO-PROX): Effect of catalyst composition. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 385-395.	10.8	55

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37	Phosphonium-based tetrakis dibenzoylmethane Eu(III) and Sm(III) complexes: synthesis, crystal structure and photoluminescence properties in a weakly coordinating phosphonium ionic liquid. <i>RSC Advances</i> , 2015, 5, 60898-60907.	1.7	22
38	Biocompatible tailored zirconia mesoporous nanoparticles with high surface area for theranostic applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7300-7306.	2.9	25
39	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , 2015, 8, 4007-4023.	5.8	61
40	On the synthesis of a compound with positive enthalpy of formation: Zinc-blende-like RuN thin films obtained by rf-magnetron sputtering. <i>Applied Surface Science</i> , 2014, 320, 863-870.	3.1	11
41	Structural and photophysical properties of rare-earth complexes encapsulated into surface modified mesoporous silica nanoparticles. <i>Dalton Transactions</i> , 2014, 43, 16183-16196.	1.6	27
42	Energy Transfer in Bi- and Er-Codoped Y ₂ O ₃ Nanocrystals: An Effective System for Rare Earth Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30071-30078.	1.5	43
43	Mesoporous silica nanoparticles with tunable pore size for tailored gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	29
44	TiO ₂ mesoporous silica nanocomposites: cooperative effect in the photocatalytic degradation of dyes and drugs. <i>RSC Advances</i> , 2014, 4, 37826-37837.	1.7	47
45	Oxygen Hole States in Zirconia Lattices: Quantitative Aspects of Their Cathodoluminescence Emission. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9828-9836.	1.1	26
46	Energy transfer between Tb ³⁺ and Eu ³⁺ in co-doped Y ₂ O ₃ nanocrystals prepared by Pechini method. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	36
47	Monitoring the <i>martensitic</i> Phase Transformation by Photoluminescence Emission in Eu ³⁺ -Doped Zirconia Powders. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2628-2635.	1.9	40
48	Unexpected optical activity of cerium in Y ₂ O ₃ :Ce ³⁺ , Yb ³⁺ , Er ³⁺ up and down-conversion system. <i>Dalton Transactions</i> , 2013, 42, 16837-16845.	1.6	25
49	Er and Cu codoped SiO ₂ films obtained by sputtering deposition: Enhancement of the rare earth emission at 1.54 μ m mediated by metal sensitizers. <i>Optical Materials</i> , 2013, 35, 2018-2022.	1.7	15
50	pH-activated doxorubicin release from polyelectrolyte complex layer coated mesoporous silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2013, 180, 86-91.	2.2	36
51	<i>In situ</i> reaction furnace for real-time XRD studies. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 194-196.	1.0	33
52	Combustion synthesis and photoluminescence of Tb ³⁺ doped LaAlO ₃ nanophosphors. <i>Optical Materials</i> , 2013, 35, 1184-1188.	1.7	27
53	Coexistence of plasmonic and magnetic properties in Au ₈₉ Fe ₁₁ nanoalloys. <i>Nanoscale</i> , 2013, 5, 5611.	2.8	92
54	In situ synthesis of Eu(Tp) ₃ complex inside the pores of mesoporous silica nanoparticles. <i>Journal of Luminescence</i> , 2013, 142, 28-34.	1.5	9

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55	Influence of synthesis parameters on the performance of CeO ₂ @CuO and CeO ₂ @ZrO ₂ @CuO systems in the catalytic oxidation of CO in excess of hydrogen. Applied Catalysis B: Environmental, 2013, 129, 556-565.	10.8	67
56	Structural and magnetic properties of mesoporous SiO ₂ nanoparticles impregnated with iron oxide or cobalt-iron oxide nanocrystals. Journal of Materials Chemistry, 2012, 22, 19276.	6.7	35
57	Optical investigation of Tb ³⁺ -doped Y ₂ O ₃ nanocrystals prepared by Pechini-type sol-gel process. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	42
58	Photoluminescence properties of YAG:Ce ³⁺ ,Pr ³⁺ phosphors synthesized via the Pechini method for white LEDs. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	40
59	Sol-gel preparation and characterization of nano-crystalline lithium-mica glass-ceramic. Ceramics International, 2012, 38, 2813-2821.	2.3	18
60	Preparation, characterization and single-cell performance of a new class of Pd-carbon nitride electrocatalysts for oxygen reduction reaction in PEMFCs. Applied Catalysis B: Environmental, 2012, 111-112, 185-199.	10.8	56
61	Self-assembly in surfactant-based liquid mixtures: Octanoic acid/Bis(2-ethylhexyl)amine systems. Journal of Colloid and Interface Science, 2012, 367, 280-285.	5.0	35
62	Nucleation and crystallization behaviors of nano-crystalline lithium-mica glass-ceramic prepared via sol-gel method. Materials Research Bulletin, 2012, 47, 1374-1378.	2.7	7
63	Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation. Journal of Materials Chemistry, 2011, 21, 3803.	6.7	82
64	Magnetic Nanoparticles of Iron Carbide, Iron Oxide, Iron@Iron Oxide, and Metal Iron Synthesized by Laser Ablation in Organic Solvents. Journal of Physical Chemistry C, 2011, 115, 5140-5146.	1.5	204
65	Magnetic iron oxide nanoparticles with tunable size and free surface obtained via a "green" approach based on laser irradiation in water. Journal of Materials Chemistry, 2011, 21, 18665.	6.7	55
66	Synthesis and optical properties of sub-micron sized rare earth-doped zirconia particles. Optical Materials, 2011, 33, 1745-1752.	1.7	46
67	Effect of thermal treatments on the catalytic behaviour in the CO preferential oxidation of a CuO@CeO ₂ @ZrO ₂ catalyst with a flower-like morphology. Applied Catalysis B: Environmental, 2011, 102, 627-637.	10.8	98
68	Er-doped alumina crystalline films deposited by radiofrequency magnetron co-sputtering. Optical Materials, 2011, 33, 1135-1138.	1.7	13
69	Structural and luminescence properties of europium(III)-doped zirconium carbonates and silica-supported Eu ³⁺ -doped zirconium carbonate nanoparticles. Journal of Nanoparticle Research, 2010, 12, 993-1002.	0.8	15
70	Comparison of Eu(NO ₃) ₃ and Eu(acac) ₃ precursors for doping luminescent silica nanoparticles. Journal of Nanoparticle Research, 2010, 12, 1925-1931.	0.8	23
71	Renewable H ₂ from Glycerol Steam Reforming: Effect of La ₂ O ₃ and CeO ₂ Addition to Pt/Al ₂ O ₃ catalysts.. ChemSusChem, 2010, 3, 619-628.	3.6	53
72	Structural and photoluminescence properties of ZrO ₂ :Eu ³⁺ @ SiO ₂ nanophosphors as a function of annealing temperature. Journal of Luminescence, 2010, 130, 2429-2436.	1.5	28

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73	Investigation of luminescent dye-doped or rare-earth-doped monodisperse silica nanospheres for DNA microarray labelling. <i>Optical Materials</i> , 2010, 32, 1652-1658.	1.7	22
74	Er-doped dielectric films by radiofrequency magnetron co-sputtering. <i>Surface and Coatings Technology</i> , 2010, 204, 2023-2027.	2.2	3
75	A multinuclear solid-state magnetic resonance study on submicrometer-sized SiO ₂ particles encapsulated by a PMMA shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 191-195.	2.3	3
76	Evolution of the Nonionic Inverse Microemulsion ^{Acid} TEOS System during the Synthesis of Nanosized Silica via the Sol ^{Gel} Process. <i>Langmuir</i> , 2010, 26, 12917-12925.	1.6	18
77	Encapsulation of submicrometer-sized silica particles by a thin shell of poly(methyl methacrylate). <i>Journal of Colloid and Interface Science</i> , 2009, 331, 351-355.	5.0	37
78	X-ray powder diffraction quantitative analysis of an amorphous SiO ₂ poly(methyl methacrylate) nanocomposite. <i>Journal of Applied Crystallography</i> , 2008, 41, 985-990.	1.9	4
79	Effect of the synthetic parameters on the textural properties of one-pot mesoporous Al ^{Ce} Cu systems. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 575-580.	2.2	11
80	Synthesis and characterization of monodisperse Eu-doped luminescent silica nanospheres for biological applications. , 2008, , .		8
81	Time-Resolved in Situ Small-Angle X-ray Scattering Study of Silica Particle Formation in Nonionic Water-in-Oil Microemulsions. <i>Langmuir</i> , 2008, 24, 5225-5228.	1.6	21
82	Solid acid catalysts from clays: Preparation of mesoporous catalysts by chemical activation of metakaolin under acid conditions. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 537-543.	5.0	80
83	Small-angle scattering from three-phase samples: application to coal undergoing an extraction process. <i>Journal of Applied Crystallography</i> , 2007, 40, 282-289.	1.9	14
84	Enhanced low-temperature protonic conductivity in fully dense nanometric cubic zirconia. <i>Applied Physics Letters</i> , 2006, 89, 163116.	1.5	45
85	Effect of the microstructure on concentration quenching in heavily doped Tb ₂ O ₃ ZrO ₂ nanoparticles embedded in silica. <i>Chemical Physics Letters</i> , 2006, 431, 326-331.	1.2	11
86	Erbium-doped LAS glass ceramics prepared by spark plasma sintering (SPS). <i>Journal of the European Ceramic Society</i> , 2006, 26, 3301-3306.	2.8	29
87	Reduction of concentration-induced luminescence quenching in Eu ³⁺ -doped nanoparticles embedded in silica. <i>Optical Materials</i> , 2006, 28, 1261-1265.	1.7	18
88	Nanoscale Effects on the Ionic Conductivity of Highly Doped Bulk Nanometric Cerium Oxide. <i>Advanced Functional Materials</i> , 2006, 16, 2363-2368.	7.8	79
89	Synthesis, X-ray Diffraction Characterization, and Radiative Properties of Er ₂ O ₃ ZrO ₂ Nanocrystals Embedded in LAS Glass Ceramic. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13424-13430.	1.2	13
90	Preparation, structural characterization, and luminescence properties of Eu ³⁺ -doped nanocrystalline ZrO ₂ . <i>Journal of Materials Research</i> , 2005, 20, 2780-2791.	1.2	59

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91	Synthesis and luminescence properties of ZrO ₂ and ZrO ₂ /SiO ₂ composites incorporating Eu(III)-phenanthroline complex prepared by a catalyst-free sol-gel process. <i>Optical Materials</i> , 2004, 27, 249-255.	1.7	13
92	AFM, SEM and GIXRD studies of thin films of red polycarbazolyldiacetylenes. <i>Surface Science</i> , 2004, 554, 68-75.	0.8	6
93	A comparative study of primary Al precipitation in amorphous Al ₈₇ Ni ₇ La ₅ Zr by means of WAXS, SAXS, TEM and DSC techniques. <i>Acta Materialia</i> , 2004, 52, 5031-5041.	3.8	24
94	Radiofrequency magnetron co-sputtering deposition synthesis of Co-based nanocomposite glasses for optical and magnetic applications. <i>Applied Surface Science</i> , 2004, 226, 62-67.	3.1	10
95	Quantitative Analysis of Amorphous Fraction in the Study of the Microstructure of Semi-crystalline Materials. <i>Springer Series in Materials Science</i> , 2004, , 167-184.	0.4	15
96	Structure and Size of Poly-Domain Pd Nanoparticles Supported on Silica. <i>Catalysis Letters</i> , 2003, 88, 141-146.	1.4	26
97	Wustite as a new precursor of industrial ammonia synthesis catalysts. <i>Applied Catalysis A: General</i> , 2003, 251, 121-129.	2.2	53
98	Synchrotron SAXS Study of the Mechanisms of Aggregation of Sulfate Zirconia Sols. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3390-3399.	1.2	22
99	Quantitative investigations of supported metal catalysts by ASAXS. <i>Journal of Synchrotron Radiation</i> , 2002, 9, 65-70.	1.0	22
100	Thermal Evolution of Carbon-Supported Pd Nanoparticles Studied by Time-Resolved X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8088-8091.	1.2	22
101	Nucleation and crystallization behavior of glass-ceramic materials in the Li ₂ O-Al ₂ O ₃ -SiO ₂ system of interest for their transparency properties. <i>Journal of Non-Crystalline Solids</i> , 2001, 288, 127-139.	1.5	106
102	Nanostructure of Pd/SiO ₂ supported catalysts. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4614-4619.	1.3	21
103	Small angle scattering of Ag-1 wt.% Mg alloys internally oxidized at high temperatures: a model of interacting spherical clusters. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3213-3216.	1.3	3
104	Alumina-Promoted Sulfated Zirconia System: Structure and Microstructure Characterization. <i>Chemistry of Materials</i> , 2001, 13, 1634-1641.	3.2	57
105	Detecting palladium nanoparticles in Pd/C catalysts using X-ray Rietveld method. <i>Catalysis Letters</i> , 2000, 64, 119-124.	1.4	13
106	In situ wide angle X-ray scattering (WAXS) study of bimetallic Au-Pd catalysts. <i>Catalysis Letters</i> , 2000, 69, 17-20.	1.4	6
107	Low-loaded metal Pd-Au supported catalysts on active carbon. Recent developments of the X-ray diffraction analysis to detect simultaneously nanoclusters and larger particles. <i>Studies in Surface Science and Catalysis</i> , 2000, , 3273-3278.	1.5	2
108	Nanostructural Features of Pd/C Catalysts Investigated by Physical Methods: A Reference for Chemisorption Analysis. <i>Langmuir</i> , 2000, 16, 4539-4546.	1.6	63

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109	Stabilization of cubic Na-modified ZrO ₂ : a neutron diffraction study. <i>Journal of Applied Crystallography</i> , 1999, 32, 475-480.	1.9	11
110	ASAXS study of Au, Pd and Pd@Au catalysts supported on active carbon. <i>Catalysis Today</i> , 1999, 49, 485-489.	2.2	35
111	Small-angle X-ray scattering and Rayleigh scattering studies of the microstructure of some optical glasses. <i>Journal of Non-Crystalline Solids</i> , 1999, 258, 198-206.	1.5	2
112	Quantitative Phase Analysis in Semicrystalline Materials Using the Rietveld Method. <i>Journal of Applied Crystallography</i> , 1998, 31, 78-82.	1.9	52
113	Scale Factor in Powder Diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1998, 54, 219-224.	0.3	13
114	The microstructure of borosilicate glasses containing elongated and oriented phase-separated crystalline particles. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 147-154.	1.5	7
115	Au/C Catalyst: Experimental Evidence of the Coexistence of Nanoclusters and Larger Au Particles. <i>Langmuir</i> , 1998, 14, 6617-6619.	1.6	27
116	Calibration of the monochromator bandpass function for the X-ray Rietveld analysis. <i>Powder Diffraction</i> , 1997, 12, 160-166.	0.4	24
117	Small angle scattering of a polydisperse system of interacting hard spheres: An analytical solution. <i>Journal of Chemical Physics</i> , 1997, 106, 8660-8663.	1.2	16
118	ASAXS Investigation of a Au/C Catalyst. <i>Journal of Catalysis</i> , 1997, 171, 345-348.	3.1	23
119	Two-Dimensional Small-Angle X-ray Scattering Investigation of Stretched Borosilicate Glasses. <i>Journal of Applied Crystallography</i> , 1997, 30, 487-494.	1.9	6
120	Two-dimensional small-angle X-ray scattering investigation of stretched borosilicate glasses. Erratum. <i>Journal of Applied Crystallography</i> , 1997, 30, 1159-1159.	1.9	0
121	Redrawn Phase-Separated Borosilicate Glasses: A TEM Investigation. <i>Microscopy Microanalysis Microstructures</i> , 1997, 8, 157-165.	0.4	5
122	A semi-empirical asymmetry function for X-ray diffraction peak profiles. <i>Powder Diffraction</i> , 1995, 10, 204-206.	0.4	9
123	X-ray Rietveld Analysis with a Physically Based Background. <i>Journal of Applied Crystallography</i> , 1995, 28, 115-120.	1.9	43
124	Determining the Degree of Crystallinity in Semicrystalline Materials by means of the Rietveld Analysis. <i>Journal of Applied Crystallography</i> , 1995, 28, 121-126.	1.9	22
125	Fractal model of amorphous and semicrystalline nano-sized zirconia aerogels. <i>Journal of Non-Crystalline Solids</i> , 1995, 185, 78-83.	1.5	20
126	Physicochemical properties of thermally prepared Ti-supported IrO ₂ + ZrO ₂ electrocatalysts. <i>Journal of Electroanalytical Chemistry</i> , 1994, 376, 195-202.	1.9	39

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127	SAXS study of the micro-inhomogeneity of industrial soda lime silica glass. <i>Journal of Non-Crystalline Solids</i> , 1994, 167, 263-271.	1.5	4
128	Short-range structure of zirconia xerogel and aerogel, determined by wide angle X-ray scattering. <i>Journal of Non-Crystalline Solids</i> , 1993, 155, 259-266.	1.5	11
129	Fractal properties of a partially crystalline zirconium oxide aerogel. <i>Journal of Applied Crystallography</i> , 1993, 26, 717-720.	1.9	19
130	Complete sets of factors for absorption correction and air scattering subtraction in X-ray powder diffraction of loosely packed samples. <i>Powder Diffraction</i> , 1993, 8, 149-154.	0.4	14
131	Structural characterization of Cd(Se, S)-doped glasses. <i>Journal of Non-Crystalline Solids</i> , 1992, 142, 63-69.	1.5	7
132	XRD investigation of the crystallization process in Fe ₄₀ Ni ₄₀ B ₂₀ metallic glass. <i>Journal of Non-Crystalline Solids</i> , 1992, 151, 59-65.	1.5	3
133	X-Ray diffraction characterization of iridium dioxide electrocatalysts. <i>Journal of Materials Chemistry</i> , 1991, 1, 511.	6.7	21