

# Manuel Ocana

## 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.

147  
papers

5,527  
citations

41  
h-index

67  
g-index

155  
ext. papers

5,923  
ext. citations

5.2  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
147	NaY(MoO)-based nanoparticles: synthesis, luminescence and photocatalytic properties. <i>Dalton Transactions</i> , <b>2021</b> , 50, 16539-16547	4.3	1
146	Neodymium doped lanthanide fluoride nanoparticles as contrast agents for luminescent bioimaging and X-ray computed tomography. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , <b>2021</b> ,	1.9	1
145	Highly Versatile Upconverting Oxyfluoride-Based Nanophosphor Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 30051-30060	9.5	1
144	Holmium phosphate nanoparticles as negative contrast agents for high-field magnetic resonance imaging: Synthesis, magnetic relaxivity study and in vivo evaluation. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 131-140	9.3	3
143	Dysprosium and Holmium Vanadate Nanoprobes as High-Performance Contrast Agents for High-Field Magnetic Resonance and Computed Tomography Imaging. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 152-160	5.1	4
142	Persistent luminescence of transparent ZnGa <sub>2</sub> O <sub>4</sub> :Cr <sup>3+</sup> thin films from colloidal nanoparticles of tunable size. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4474-4485	7.1	9
141	Persistent luminescent nanoparticles: Challenges and opportunities for a shimmering future. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 080902	2.5	4
140	Design of a nanoprobe for high field magnetic resonance imaging, dual energy X-ray computed tomography and luminescent imaging. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 573, 278-286	9.3	5
139	Bimodal Nd-Doped LuVO Nanoprobes Functionalized with Polyacrylic Acid for X-Ray Computed Tomography and NIR Luminescent Imaging. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
138	Luminescence and X-ray Absorption Properties of Uniform Eu:(HO)LuF Nanoprobes. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	1
137	Synthesis, functionalization and properties of uniform europium-doped sodium lanthanum tungstate and molybdate (NaLa(XO), X = Mo,W) probes for luminescent and X-ray computed tomography bioimaging. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 554, 520-530	9.3	14
136	Enhancing Luminescence and X-ray Absorption Capacity of Eu <sup>3+</sup> :LaF <sub>3</sub> Nanoparticles by Bi <sup>3+</sup> Codoping. <i>ACS Omega</i> , <b>2019</b> , 4, 765-774	3.9	12
135	Room temperature synthesis of water-dispersible Ln:CeF (Ln = Nd, Tb) nanoparticles with different morphology as bimodal probes for fluorescence and CT imaging. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 520, 134-144	9.3	10
134	Synthesis and optical properties of environmentally benign and highly uniform NaCe(MoO <sub>4</sub> ) <sub>2</sub> based yellow nanopigments. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 739, 542-548	5.7	1
133	Biocompatibility assessment of up-and down-converting nanoparticles: implications of interferences with in vitro assays. <i>Methods and Applications in Fluorescence</i> , <b>2018</b> , 7, 014001	3.1	12
132	Revealing the substitution mechanism in Eu <sup>3+</sup> :CaMoO <sub>4</sub> and Eu <sup>3+</sup> ,Na <sup>+</sup> :CaMoO <sub>4</sub> phosphors. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12830-12840	7.1	17
131	Structural, optical and X-ray attenuation properties of Tb:BaCeF (x = 0.18-0.48) nanospheres synthesized in polyol medium. <i>Dalton Transactions</i> , <b>2018</b> , 47, 8382-8391	4.3	1

130	Morphology control of uniform CaMoO <sub>4</sub> microarchitectures and development of white light emitting phosphors by Ln doping (Ln = Dy <sup>3+</sup> , Eu <sup>3+</sup> ). <i>CrystEngComm</i> , <b>2017</b> , 19, 1590-1600	3-3	31
129	Crystal structure, NIR luminescence and X-ray computed tomography of Nd:BaLuF nanospheres. <i>Dalton Transactions</i> , <b>2017</b> , 46, 6580-6587	4-3	8
128	Photonic Tuning of the Emission Color of Nanophosphor Films Processed at High Temperature. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700099	8.1	12
127	Luminescent Eu-doped GdVO <sub>4</sub> nanocrystals as optical markers for anti-counterfeiting purposes. <i>Chemical Papers</i> , <b>2017</b> , 71, 149-159	1.9	7
126	Microemulsion-Mediated Synthesis and Properties of Uniform Ln:CaWO <sub>4</sub> (Ln = Eu, Dy) Nanophosphors with Multicolor Luminescence for Optical and CT Imaging. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 5158-5168	2.3	3
125	Europium-doped NaGd(WO) nanophosphors: synthesis, luminescence and their coating with fluorescein for pH sensing. <i>Dalton Transactions</i> , <b>2017</b> , 46, 11575-11583	4-3	21
124	HoF <sub>3</sub> and DyF <sub>3</sub> Nanoparticles as Contrast Agents for High-Field Magnetic Resonance Imaging. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700116	3.1	22
123	Rare earth based nanostructured materials: synthesis, functionalization, properties and bioimaging and biosensing applications. <i>Nanophotonics</i> , <b>2017</b> , 6, 881-921	6.3	94
122	Deposition of silica protected luminescent layers of Eu:GdVO <sub>4</sub> nanoparticles assisted by atmospheric pressure plasma jet. <i>Thin Solid Films</i> , <b>2016</b> , 598, 88-94	2.2	4
121	Ligand-Free Synthesis of Tunable Size Ln:BaGdF <sub>4</sub> (Ln = Eu <sup>3+</sup> and Nd <sup>3+</sup> ) Nanoparticles: Luminescence, Magnetic Properties, and Biocompatibility. <i>Langmuir</i> , <b>2016</b> , 32, 411-20	4	29
120	Synthesis and functionalization of monodisperse near-ultraviolet and visible excitable multifunctional Eu(3+), Bi(3+):REVO <sub>4</sub> nanophosphors for bioimaging and biosensing applications. <i>Nanoscale</i> , <b>2016</b> , 8, 12221-36	7.7	48
119	Multifunctional Eu-doped NaGd(MoO) nanoparticles functionalized with poly(L-lysine) for optical and MRI imaging. <i>Dalton Transactions</i> , <b>2016</b> , 45, 16354-16365	4-3	17
118	Uniform, luminescent Eu:LuF <sub>3</sub> nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	11
117	Quick synthesis, functionalization and properties of uniform, luminescent LuPO <sub>4</sub> -based nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 34517-34524	3.7	11
116	Up-conversion in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped LaPO <sub>4</sub> submicron-sized spheres. <i>Optical Materials</i> , <b>2015</b> , 41, 104-107	10.7	7
115	Template-free synthesis and luminescent properties of hollow Ln:YOF (Ln = Eu or Er + Yb) microspheres. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 619, 44-51	5.7	16
114	Uniform Poly(acrylic acid)-Functionalized Lanthanide-Doped LaVO <sub>4</sub> Nanophosphors with High Colloidal Stability and Biocompatibility. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4546-4554	2.3	14
113	Synthesis and luminescence of uniform europium-doped bismuth fluoride and bismuth oxyfluoride particles with different morphologies. <i>CrystEngComm</i> , <b>2014</b> , 16, 3274	3-3	34

112	Bifunctional, Monodisperse BiPO <sub>4</sub> -Based Nanostars: Photocatalytic Activity and Luminescent Applications. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 3319-3326	3.5	41
111	New Single-Phase, White-Light-Emitting Phosphors Based on $\text{EGd}_2\text{Si}_2\text{O}_7$ for Solid-State Lighting. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 18035-18043	3.8	33
110	One-Step Synthesis and Polyacrylic Acid Functionalization of Multifunctional Europium-Doped NaGdF <sub>4</sub> Nanoparticles with Selected Size for Optical and MRI Imaging. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 6075-6084	2.3	15
109	Crystal Structure and Luminescent Properties of Eu <sup>3+</sup> -Doped A-La <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> Tetragonal Phase Stabilized by Spray Pyrolysis Synthesis. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 20876-20886	3.8	19
108	Crystal structures and photoluminescence across the La <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> -Ho <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> system. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 13469-79	5.1	12
107	Synthesis and properties of multifunctional tetragonal Eu:GdPO <sub>4</sub> nanocubes for optical and magnetic resonance imaging applications. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 647-54	5.1	86
106	Synthesis and functionalization of biocompatible Tb:CePO <sub>4</sub> nanophosphors with spindle-like shape. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	7
105	Microwave-assisted synthesis of biocompatible europium-doped calcium hydroxyapatite and fluoroapatite luminescent nanospindles functionalized with poly(acrylic acid). <i>Langmuir</i> , <b>2013</b> , 29, 1985-94	4.4	76
104	LaPO <sub>4</sub> :Er microspheres with high NIR luminescent quantum yield. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 138, 666-671	4.4	9
103	A Novel 3D Architecture of GdPO <sub>4</sub> Nanophosphors: Multicolored and White Light Emission. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 526-535	3.5	45
102	Solvent-Controlled Synthesis and Luminescence Properties of Uniform Eu:YVO <sub>4</sub> Nanophosphors with Different Morphologies. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 1301-1309	2.3	24
101	Surface modified Eu:GdVO <sub>4</sub> nanocrystals for optical and MRI imaging. <i>Dalton Transactions</i> , <b>2013</b> , 42, 10725-34	4.3	65
100	Energy transfer efficiency in YF <sub>3</sub> nanocrystals: Quantifying the Yb <sup>3+</sup> to Tm <sup>3+</sup> infrared dynamics. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 174308	2.5	6
99	Perfectly Transparent Sr <sub>3</sub> Al <sub>2</sub> O <sub>6</sub> Polycrystalline Ceramic Elaborated from Glass Crystallization. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4017-4024	9.6	49
98	Ionic liquid mediated synthesis and surface modification of multifunctional mesoporous Eu:GdF <sub>3</sub> nanoparticles for biomedical applications. <i>Langmuir</i> , <b>2013</b> , 29, 3411-8	4	47
97	Small particle-size talc is associated with poor outcome and increased inflammation in thoroscopic pleurodesis. <i>Respiration</i> , <b>2013</b> , 86, 201-9	3.7	28
96	Microwave-Assisted Synthesis and Luminescence of Mesoporous RE-Doped YPO <sub>4</sub> (RE = Eu, Ce, Tb, and Ce + Tb) Nanophosphors with Lenticular Shape. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 635-645	3.5	74
95	Synthesis and structure resolution of RbLaF <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 2272-82	5.1	31

94	A facile single-step procedure for the synthesis of luminescent Ln <sup>3+</sup> :YVO <sub>4</sub> (Ln = Eu or Er + Yb)-silica nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 125, 224-230	4.4	17
93	Synthesis, through pyrolysis of aerosols, of YIn <sub>1-x</sub> MnxO <sub>3</sub> blue pigments and their efficiency for colouring glazes. <i>Dyes and Pigments</i> , <b>2011</b> , 91, 501-507	4.6	35
92	Tuning from blue to magenta the up-converted emissions of YF <sub>3</sub> :Tm <sup>3+</sup> /Yb <sup>3+</sup> nanocrystals. <i>Nanoscale</i> , <b>2011</b> , 3, 1046-52	7.7	41
91	Angular emission properties of a layer of rare-earth based nanophosphors embedded in one-dimensional photonic crystal coatings. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 051111	3.4	3
90	Environmentally responsive nanoparticle-based luminescent optical resonators. <i>Nanoscale</i> , <b>2010</b> , 2, 936-47	4.7	22
89	Uniform YF <sub>3</sub> :Yb,Er up-conversion nanophosphors of various morphologies synthesized in polyol media through an ionic liquid. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2553-2565	2.3	30
88	Citrate mediated synthesis of uniform monazite LnPO <sub>4</sub> (Ln = La, Ce) and Ln:LaPO <sub>4</sub> (Ln = Eu, Ce, Ce + Tb) spheres and their photoluminescence. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 349, 484-91	9.3	50
87	Synthesis of Cr-doped CaTiSiO <sub>5</sub> ceramic pigments by spray drying. <i>Materials Research Bulletin</i> , <b>2009</b> , 44, 918-924	5.1	13
86	Porous One-Dimensional Photonic Crystals Improve the Power-Conversion Efficiency of Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , <b>2009</b> , 21, 764-770	24	227
85	M-Doped Al <sub>2</sub> TiO <sub>5</sub> (M=Cr, Mn, Co) Solid Solutions and their Use as Ceramic Pigments. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1972-1980	3.8	31
84	Synthesis by pyrolysis of aerosols and ceramic application of Cr-doped CaYAlO <sub>4</sub> red-brange pigments. <i>Journal of the European Ceramic Society</i> , <b>2009</b> , 29, 2193-2198	6	13
83	Experimental Demonstration of the Mechanism of Light Harvesting Enhancement in Photonic-Crystal-Based Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 1150-1154	3.8	56
82	Reactivity of lanthanum substituted cobaltites toward carbon particles. <i>Journal of Catalysis</i> , <b>2008</b> , 257, 334-344	7.3	75
81	Nanoparticle-based one-dimensional photonic crystals. <i>Langmuir</i> , <b>2008</b> , 24, 4430-4	4	171
80	Response of nanoparticle-based one-dimensional photonic crystals to ambient vapor pressure. <i>Langmuir</i> , <b>2008</b> , 24, 9135-9	4	100
79	Synthesis of Spherical Down- and Up-Conversion NaYF <sub>4</sub> -Based Nanophosphors with Tunable Size in Ethylene Glycol without Surfactants or Capping Additives. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 4517-4524	2.3	22
78	Photoconducting Bragg Mirrors based on TiO <sub>2</sub> Nanoparticle Multilayers. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2708-2715	15.6	72
77	Brown ceramic pigments based on chromium(III)-doped titanite obtained by spray pyrolysis. <i>Dyes and Pigments</i> , <b>2008</b> , 79, 265-269	4.6	20

76	An ionic liquid based synthesis method for uniform luminescent lanthanide fluoride nanoparticles. <i>Nanotechnology</i> , <b>2007</b> , 18, 455606	3-4	79
75	Phase delay and group velocity determination at a planar defect state in three dimensional photonic crystals. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 101113	3-4	15
74	Improving Co distribution in acicular FeCo nanoparticles and its effect on their magnetic properties. <i>Nanotechnology</i> , <b>2007</b> , 18, 205601	3-4	2
73	Building Nanocrystalline Planar Defects within Self-Assembled Photonic Crystals by Spin-Coating. <i>Advanced Materials</i> , <b>2006</b> , 18, 1183-1187	24	66
72	Oriented Colloidal-Crystal Thin Films by Spin-Coating Microspheres Dispersed in Volatile Media. <i>Advanced Materials</i> , <b>2006</b> , 18, 2244-2249	24	241
71	The influence of protective coatings on the magnetic properties of acicular iron nanoparticles. <i>Nanotechnology</i> , <b>2006</b> , 17, 1421-1427	3-4	5
70	Spherical iron/silica nanocomposites from core-shell particles. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 294, 355-61	9-3	25
69	Analysis of texture and microstructure of anatase thin films by Fourier transform infrared spectroscopy. <i>Thin Solid Films</i> , <b>2006</b> , 515, 1585-1591	2.2	7
68	Hydrothermal synthesis of Co-doped willemite powders with controlled particle size and shape. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 3165-3172	6	27
67	Spectroscopic Studies on the Localization of Vanadium(IV) in Vanadium-Doped Zircon Pigments. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 395-400	3.8	30
66	Preparation through Aerosols of Cr-Doped Y <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> (Pyrochlore) Red-Shade Pigments and Determination of the Cr Oxidation State. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 87, 2108-2113	3.8	41
65	FeCo magnetic nanoneedles obtained by Co-coating haematite. <i>Nanotechnology</i> , <b>2005</b> , 16, 647-654	3-4	11
64	Chemical state and distribution of Mn ions in Mn-doped Al <sub>2</sub> O <sub>3</sub> solid solutions prepared in the absence and the presence of fluxes. <i>Journal of the European Ceramic Society</i> , <b>2004</b> , 24, 3057-3062	6	32
63	Aerosol-derived Mn-doped Al <sub>2</sub> O <sub>3</sub> pink pigments prepared in the absence of fluxes. <i>Dyes and Pigments</i> , <b>2004</b> , 61, 279-286	4.6	8
62	Synthesis of acicular FeCo nanoparticles and the effect of Al addition on their magnetic properties. <i>Nanotechnology</i> , <b>2004</b> , 15, S190-S196	3-4	15
61	The Nature of Co in Synthetic Co-substituted Goethites. <i>Clays and Clay Minerals</i> , <b>2004</b> , 52, 760-766	2.1	17
60	Non-conventional synthesis of Cr-doped SnO <sub>2</sub> pigments. <i>Ceramics International</i> , <b>2003</b> , 29, 385-392	5.1	37
59	Oxidation state and localization of chromium ions in Cr-doped cassiterite and Cr-doped malayaite. <i>Acta Materialia</i> , <b>2003</b> , 51, 2371-2381	8.4	57

58	Acicular Metallic Particles Obtained from Al-Doped Goethite Precursors. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 951-957	9.6	8
57	Preparation, Characterization, and Magnetic Properties of Fe-Based Alloy Particles with Elongated Morphology. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3558-3563	9.6	34
56	Determination of texture by infrared spectroscopy in titanium oxide anatase thin films. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 4634-4645	2.5	46
55	Uniform nanoparticles of Pr(III)/Ceria solid solutions prepared by homogeneous precipitation. <i>Scripta Materialia</i> , <b>2002</b> , 46, 655-660	5.6	43
54	Uniform nanosized goethite particles obtained by aerial oxidation in the FeSO <sub>4</sub> -Na <sub>2</sub> CO <sub>3</sub> system. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 254, 87-94	9.3	27
53	Preparation and properties of uniform praseodymium-doped ceria colloidal particles. <i>Colloid and Polymer Science</i> , <b>2002</b> , 280, 274-281	2.4	9
52	A simple procedure for the preparation of Cr-doped tin sphene pigments in the absence of fluxes. <i>Journal of the European Ceramic Society</i> , <b>2002</b> , 22, 353-359	6	36
51	Synthesis and Structural Characterization by X-ray Absorption Spectroscopy of Tin-Doped Mullite Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>2002</b> , 85, 1910-1914	3.8	7
50	Low-temperature preparation and structural characterization of Pr-doped ceria solid solutions. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 797-804	2.5	27
49	Ar stabilisation of the cubic/tetragonal phases of ZrO <sub>2</sub> in thin films prepared by ion beam induced chemical vapour deposition. <i>Thin Solid Films</i> , <b>2001</b> , 389, 34-42	2.2	33
48	Nanosized Cr <sub>2</sub> O <sub>3</sub> hydrate spherical particles prepared by the urea method. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 931-939	6	36
47	Fine spherical particles of narrow size distribution in the Cr <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> system. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 2383-2389	4.3	9
46	Preparation and Characterization of Uniform Needle-like Particles of Nickel Basic Sulfate. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 228, 259-262	9.3	11
45	Magnetic Iron Oxide/Mullite Nanocomposite Stable up to 1400°C. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 155, 458-462	3.3	12
44	Structural modifications produced by the incorporation of Ar within the lattice of Fe <sub>2</sub> O <sub>3</sub> thin films prepared by ion beam induced chemical vapour deposition. <i>Acta Materialia</i> , <b>2000</b> , 48, 4555-4561	8.4	7
43	Amorphisation and related structural effects in thin films prepared by ion beam assisted methods. <i>Surface and Coatings Technology</i> , <b>2000</b> , 125, 116-123	4.4	15
42	Preparation by pyrolysis of aerosols and structural characterization of Fe-doped mullite powders. <i>Materials Research Bulletin</i> , <b>2000</b> , 35, 775-788	5.1	24
41	Uniform particles of manganese compounds obtained by forced hydrolysis of manganese(II) acetate. <i>Colloid and Polymer Science</i> , <b>2000</b> , 278, 443-449	2.4	74

40	Iron oxide thin films prepared by ion beam induced chemical vapor deposition: Structural characterization by infrared spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2000</b> , 18, 2244	2.9	18
39	Preparation and characterization of uniform spherical silica particles coated with Ni and Co compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 157, 315-324	5.1	26
38	The effects of the NaF flux on the oxidation state and localisation of praseodymium in Pr-doped zircon pigments. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 641-648	6	32
37	Structural characterization of partially amorphous SnO <sub>2</sub> nanoparticles by factor analysis of XAS and FT-IR spectra. <i>Solid State Ionics</i> , <b>1999</b> , 116, 117-127	3.3	33
36	Homogeneous Precipitation of Uniform alpha-Fe <sub>2</sub> O <sub>3</sub> Particles from Iron Salts Solutions in the Presence of Urea. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 212, 317-323	9.3	139
35	Effect of precursor impurities on the magnetic properties of uniform $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ellipsoidal particles. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 4465-4471	3.6	14
34	Valence and Localization of Praseodymium in Pr-Doped Zircon. <i>Journal of Solid State Chemistry</i> , <b>1998</b> , 139, 412-415	3.3	35
33	Preparation by hydrolysis of aerosols and colour properties of Cr-doped and Co-doped zircon powders. <i>Journal of the European Ceramic Society</i> , <b>1998</b> , 18, 821-830	6	16
32	Origin of color in aerosol-derived vanadium-doped zirconia pigments. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 413-420	2.5	18
31	Formation of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Isolated Nanoparticles in a Silica Matrix. <i>Langmuir</i> , <b>1997</b> , 13, 3627-3634	4	161
30	Preparation by hydrolysis of aerosols and properties of Cr, Mn and Co doped alumina spherical particles. <i>Colloid and Polymer Science</i> , <b>1997</b> , 275, 1010-1017	2.4	3
29	Iron Zircon Pigments Prepared by Pyrolysis of Aerosols. <i>Journal of Solid State Chemistry</i> , <b>1997</b> , 128, 102-108	3.9	39
28	Photonic crystal made by close packing SiO <sub>2</sub> submicron spheres. <i>Superlattices and Microstructures</i> , <b>1997</b> , 22, 399-404	2.8	67
27	The formation of zircon from amorphous ZrO <sub>2</sub> $\cdot$ $n$ SiO <sub>2</sub> powders. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 6089-6094	4.3	34
26	Formation of monodispersed SnO <sub>2</sub> powders of various morphologies. <i>Colloid and Polymer Science</i> , <b>1995</b> , 273, 681-686	2.4	42
25	Preparation of Blue Vanadium-Zircon Pigments by Aerosols Hydrolysis. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 1147-1152	3.8	22
24	The Growth Mechanism of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> Ellipsoidal Particles in Solution. <i>Journal of Colloid and Interface Science</i> , <b>1995</b> , 171, 85-91	9.3	163
23	Zircon formation from amorphous spherical ZrSiO <sub>4</sub> particles obtained by hydrolysis of aerosols. <i>Journal of Materials Science</i> , <b>1994</b> , 29, 6533-6538	4.3	38

22	Uniform Elongated Colloidal HfO <sub>2</sub> Particles. <i>Journal of Colloid and Interface Science</i> , <b>1994</b> , 163, 262-268	9.3	13
21	The relationship of particle morphology and structure of basic copper(II) compounds obtained by homogeneous precipitation. <i>Journal of Crystal Growth</i> , <b>1994</b> , 143, 277-286	1.6	58
20	Infrared optical properties of zircon. <i>Materials Research Bulletin</i> , <b>1994</b> , 29, 417-426	5.1	32
19	Photophysics of Rhodamine 6G-Doped TiO <sub>2</sub> Particles during Drying Using Steady-State Spectroscopy and Variable-Frequency Phase and Modulation Data. <i>Langmuir</i> , <b>1994</b> , 10, 2683-2687	4	17
18	A vibrational study of uniform SnO <sub>2</sub> powders of various morphologies. <i>Solid State Ionics</i> , <b>1993</b> , 63-65, 170-177	3.3	37
17	Spherical HfO <sub>2</sub> particles obtained by hydrolysis of hafnium tert-butoxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1993</b> , 79, 169-175	5.1	5
16	Journal Spherical Mullite Particles Prepared by Hydrolysis of Aerosols. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 2081-2085	3.8	28
15	Preparation and optical properties of spherical metal oxide particles containing fluorescent dyes. <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 147-148, 621-626	3.9	15
14	Low-Temperature Nucleation of Rutile Observed by Raman Spectroscopy during Crystallization of TiO <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 2010-2012	3.8	166
13	A simple procedure for the preparation of spherical oxide particles by hydrolysis of aerosols. <i>Ceramics International</i> , <b>1992</b> , 18, 99-106	5.1	45
12	Variations of the infrared powder spectra of TiO <sub>2</sub> and SnO <sub>2</sub> (rutile) with polarization. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1991</b> , 47, 765-774		54
11	Preparation of uniform colloidal particles of hafnium compounds. <i>Journal of Materials Chemistry</i> , <b>1991</b> , 1, 87-90		8
10	Preparation and characterization of uniform nanocrystalline prismatic SnO <sub>2</sub> particles. <i>Materials Letters</i> , <b>1991</b> , 12, 32-36	3.3	22
9	Preparation and properties of uniform-coated colloidal particles. 6. Titania on zinc oxide. <i>Langmuir</i> , <b>1991</b> , 7, 2911-2916	4	118
8	Continuous production of spherical strontium titanate at low temperature. <i>Journal of Materials Science Letters</i> , <b>1990</b> , 9, 772-773		8
7	Well-defined colloidal tin(IV) oxide particles. <i>Journal of Materials Research</i> , <b>1990</b> , 5, 1083-1091	2.5	74
6	Aggregation and Matrix Effects on the Infrared Spectrum of Microcrystalline Powders. <i>Applied Spectroscopy</i> , <b>1990</b> , 44, 418-426	3.1	54
5	Preparation of uniform colloidal dispersions by chemical reactions in aerosols. Tin(IV) oxide. <i>Journal of Aerosol Science</i> , <b>1990</b> , 21, 811-820	4.3	16

4	The variability of the infrared powder spectrum of amorphous SiO <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>1989</b> , 107, 187-192	3.9	65
3	Factors affecting the infrared and Raman spectra of rutile powders. <i>Journal of Solid State Chemistry</i> , <b>1988</b> , 75, 364-372	3.3	122
2	Optical properties of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> microcrystals in the infrared. <i>Journal of Physics C: Solid State Physics</i> , <b>1987</b> , 20, 473-484		109
1	Polarization effects in the infrared spectra of $\alpha$ -quartz and $\alpha$ -cristobalite. <i>Physics and Chemistry of Minerals</i> , <b>1987</b> , 14, 527-532	1.6	51