

Victor M Orera

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185
papers

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55
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195
ext. papers

4,612
ext. citations

4.3
avg, IF

5.18
L-index

#	Paper	IF	Citations
185	Directionally solidified eutectic ceramic oxides. <i>Progress in Materials Science</i> , 2006 , 51, 711-809	42.2	388
184	Ultra-High-Strength Nanofibrillar Al ₂ O ₃ /YAG/YSZ Eutectics. <i>Advanced Materials</i> , 2007 , 19, 2313-2318	24	132
183	Intrinsic electron and hole defects in stabilized zirconia single crystals. <i>Physical Review B</i> , 1990 , 42, 9782-9789	37.89	130
182	ZrO ₂ /Al ₂ O ₃ eutectic plates produced by laser zone melting. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 191-198	6	117
181	Electrolyte degradation in anode supported microtubular yttria stabilized zirconia-based solid oxide steam electrolysis cells at high voltages of operation. <i>Journal of Power Sources</i> , 2011 , 196, 8942-8947	8.9	108
180	Mechanical properties of directionally solidified Al ₂ O ₃ /rO ₂ (Y ₂ O ₃) eutectics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 308, 241-249	5.3	102
179	Processing, microstructure and mechanical properties of directionally-solidified Al ₂ O ₃ /3Al ₂ O ₃ /12rO ₂ ternary eutectics. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 3113-3121	6	101
178	Microstructure of Y ₂ O ₃ doped Al ₂ O ₃ /rO ₂ eutectics grown by the laser floating zone method. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 2595-2602	6	90
177	Microstructure and mechanical properties of Al ₂ O ₃ /YSZ and Al ₂ O ₃ /YAG directionally solidified eutectic plates. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1419-1429	6	89
176	Influence of the Y ₂ O ₃ Content and Temperature on the Mechanical Properties of Melt-Grown Al ₂ O ₃ /rO ₂ Eutectics. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 633-639	3.8	65
175	Piezospectroscopic Study of Residual Stresses in Al ₂ O ₃ /rO ₂ Directionally Solidified Eutectics. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2745-2752	3.8	62
174	Micropillar compression of LiF [1 1 1] single crystals: Effect of size, ion irradiation and misorientation. <i>International Journal of Plasticity</i> , 2012 , 36, 50-63	7.6	61
173	Fabrication, electrochemical characterization and thermal cycling of anode supported microtubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009 , 192, 120-125	8.9	61
172	Improved stability of reversible solid oxide cells with a nickelate-based oxygen electrode. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1446-1453	13	59
171	Microstructure and mechanical properties of Al ₂ O ₃ /Er ₃ Al ₅ O ₁₂ eutectic rods grown by the laser-heated floating zone method. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 1241-1250	6	57
170	Effect of oxygen content on the ²⁹ Si NMR, Raman spectra and oxide ion conductivity of the apatite series, La _{8+x} Sr _{2-x} (SiO ₄) ₆ O _{2+x} /2. <i>Dalton Transactions</i> , 2008 , 5296-301	4.3	57
169	Oxidation state and localization of chromium ions in Cr-doped cassiterite and Cr-doped malayaite. <i>Acta Materialia</i> , 2003 , 51, 2371-2381	8.4	57

168	Microstructure and physical properties of some oxide eutectic composites processed by directional solidification. <i>Acta Materialia</i> , 2000 , 48, 4683-4689	8.4	57
167	Phase Distribution and Residual Stresses in Melt-Grown Al ₂ O ₃ -ZrO ₂ (Y ₂ O ₃) Eutectics. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2025-2032	3.8	56
166	Performance and Aging of Microtubular YSZ-based Solid Oxide Regenerative Fuel Cells. <i>Fuel Cells</i> , 2011 , 11, 116-123	2.9	53
165	Steam Electrolysis Using a Microtubular Solid Oxide Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B852	3.9	44
164	Synthesis, Structural Characterization, and Luminescence Studies of Gold(I) and Gold(III) Complexes with a Triphosphine Ligand. <i>Inorganic Chemistry</i> , 1998 , 37, 5125-5130	5.1	44
163	Ce ³⁺ →Ce ⁴⁺ conversion in ceria-doped zirconia single crystals induced by oxido-reduction treatments. <i>Solid State Ionics</i> , 1994 , 72, 224-231	3.3	43
162	High-temperature plastic behaviour of Al ₂ O ₃ /3Al ₂ O ₃ directionally solidified eutectics. <i>Acta Materialia</i> , 2006 , 54, 3107-3116	8.4	41
161	Preparation through Aerosols of Cr-Doped Y ₂ Sn ₂ O ₇ (Pyrochlore) Red-Shadow Pigments and Determination of the Cr Oxidation State. <i>Journal of the American Ceramic Society</i> , 2005 , 87, 2108-2113	3.8	41
160	Self-organization approach for THz polaritonic metamaterials. <i>Optics Express</i> , 2012 , 20, 14663-82	3.3	39
159	Structured porous Ni- and Co-YSZ cermets fabricated from directionally solidified eutectic composites. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1455-1462	6	39
158	Raman and x-ray study of perovskite solid solutions. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 11687-11703	7.8	39
157	Growth of eutectic ceramic structures by directional solidification methods. <i>Journal of Crystal Growth</i> , 2012 , 360, 99-104	1.6	38
156	Spectroscopic properties of Er ³⁺ and Nd ³⁺ doped glasses with the 0.8CaSiO ₃ ·0.2Ca ₃ (PO ₄) ₂ eutectic composition. <i>Journal of Non-Crystalline Solids</i> , 2002 , 298, 23-31	3.9	38
155	Formation and size evolution of Ca colloids in additively colored CaF ₂ . <i>Physica Status Solidi A</i> , 1976 , 38, 621-627		38
154	EPR and optical study of Ni ²⁺ ions in CsCaF ₃ and CsCdF ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 1994 , 55, 263-272	3.9	37
153	Fabrication Methods and Performance in Fuel Cell and Steam Electrolysis Operation Modes of Small Tubular Solid Oxide Fuel Cells: A Review. <i>Frontiers in Energy Research</i> , 2014 , 2,	3.8	36
152	Effect of substitutional hydride ions on the charge states of oxygen vacancies in thermochemically reduced CaO and MgO. <i>Physical Review B</i> , 1990 , 42, 1410-1416	3.3	36
151	Luminescence properties of ZrO ₂ /CaO eutectic crystals with ordered lamellar microstructure activated with Er ³⁺ ions. <i>Physical Review B</i> , 1997 , 56, 10907-10915	3.3	35

150	Vibrational spectroscopy of single crystals. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 7501-7510	1.8	34
149	Eutectic epsilon-near-zero metamaterial terahertz waveguides. <i>Optics Letters</i> , 2013 , 38, 1140-2	3	33
148	Stability of Channeled Ni ₃ SiC Cermets Produced from Self-Assembled NiO _x /SiC Directionally Solidified Eutectics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3215-3217	3.8	33
147	Micro-spectroscopic study of the degradation of scandia and ceria stabilized zirconia electrolytes in solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 13051-13058	6.7	32
146	Aligned ZrO ₂ (c)-CaZrO ₃ eutectics grown by the laser floating zone method: Electrical and optical properties. <i>Advanced Materials</i> , 1996 , 8, 909-912	24	32
145	Prospects of new planar optical waveguides based on eutectic microcomposites of insulating crystals: The ZrO ₂ (c)-CaZrO ₃ erbium doped system. <i>Applied Physics Letters</i> , 1997 , 71, 2746-2748	3.4	31
144	Optical properties of cation colloidal particles in CaF ₂ and SrF ₂ . <i>Physica Status Solidi A</i> , 1977 , 44, 717-723		31
143	Optical absorption and selective thermal emission in directionally solidified Al ₂ O ₃ -Er ₃ Al ₅ O ₁₂ and Al ₂ O ₃ -Er ₃ Al ₅ O ₁₂ -ZrO ₂ eutectics. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 2587-2596	6	30
142	Spectroscopic Studies on the Localization of Vanadium(IV) in Vanadium-Doped Zircon Pigments. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 395-400	3.8	30
141	Paramagnetic electron traps in reduced stabilized zirconia. <i>Physical Review B</i> , 1995 , 52, 6150-6153	3.3	30
140	Spectroscopic characterization of Er ³⁺ in stabilized zirconia single crystals. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 8491-8502	1.8	30
139	Anode-supported microtubular cells fabricated with gadolinia-doped ceria nanopowders. <i>Journal of Power Sources</i> , 2011 , 196, 1184-1190	8.9	29
138	Raman spectroscopy studies of apatite-type germanate oxide ion conductors: correlation with interstitial oxide ion location and conduction. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2170		28
137	Laser drilling of Ni ₃ SiC cermets. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2673-2680	6	28
136	Reversible operation of microtubular solid oxide cells using La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} -Ce _{0.9} Gd _{0.1} O _{2-δ} oxygen electrodes. <i>Journal of Power Sources</i> , 2018 , 378, 184-189	8.9	27
135	Hydrothermal synthesis of Co-doped willemite powders with controlled particle size and shape. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 3165-3172	6	27
134	Growth of Al ₂ O ₃ /ZrO ₂ (Y ₂ O ₃) eutectic rods by the laser floating zone technique: effect of the rotation. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1341-1350	6	27
133	Axial anisotropy of Co ²⁺ in CdSe from the magnetization step and EPR. <i>Physical Review B</i> , 1995 , 51, 15213-15217	1.3	27

132	Microstructure and Physical Properties of CaF ₂ /MgO Eutectics Produced by the Bridgman Method. <i>Journal of Materials Research</i> , 2000 , 15, 1314-1319	2.5	26
131	Optical properties of Gd ³⁺ in fluorozirconate glasses. <i>Journal of Luminescence</i> , 1988 , 39, 275-282	3.8	26
130	The Preparation of CdS Particles in Silica Glasses by a Sol-Gel Method. <i>Journal of Solid State Chemistry</i> , 1995 , 118, 1-5	3.3	25
129	Interacting plasmon and phonon polaritons in aligned nano- and microwires. <i>Optics Express</i> , 2012 , 20, 10879-87	3.3	23
128	Concentration and temperature dependence of Nd ³⁺ luminescence in LaGaO ₃ . <i>Journal of Luminescence</i> , 2000 , 86, 147-153	3.8	23
127	Cr ⁺ and Cr ³⁺ defects in CaF ₂ and SrF ₂ . <i>Physical Review B</i> , 1985 , 32, 4158-4163	3.3	23
126	Self-Supporting Thin Yttria-Stabilised Zirconia Electrolytes for Solid Oxide Fuel Cells Prepared by Laser Machining. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B1193	3.9	22
125	Structural and optical properties of yttria-stabilized-zirconia films grown by MOCVD. <i>Thin Solid Films</i> , 2000 , 370, 173-178	2.2	22
124	Synthesis, Structural Characterization, and Spectroscopic Studies of Heterodimetallic [NBu ₄][[(C ₆ F ₅) ₃ Pt(μ-Pb)(μ-X)Pt(C ₆ F ₅) ₃] (X = Cl, OH) Complexes. <i>Inorganic Chemistry</i> , 1995 , 34, 6514-6519	5.1	22
123	Spectroscopy of chromium (III) in yttrium-stabilized ZrO ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 1989 , 50, 1185-1191	3.9	22
122	Thermogravimetry and neutron thermodiffractometry studies of the H-YBa ₂ Cu ₃ O ₇ system. <i>Journal of the Less Common Metals</i> , 1990 , 157, 233-244		22
121	Ceramics with photonic and optical applications. <i>Boletín De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2015 , 54, 1-10	1.9	20
120	Superplastic deformation of directionally solidified nanofibrillar Al ₂ O ₃ /Al ₅ O ₁₂ /ZrO ₂ eutectics. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 2579-2586	6	20
119	Long-Term Stability Studies of Anode-Supported Microtubular Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2013 , 13, 1116-1122	2.9	20
118	Correlation between intrinsic electron traps and electrical conductivity in stabilized zirconia. <i>Solid State Ionics</i> , 1995 , 76, 97-102	3.3	20
117	Optical detection of a hydrogen complex responsible for the F phosphorescence in thermochemically reduced MgO crystals. <i>Physical Review B</i> , 1987 , 36, 6120-6124	3.3	20
116	Microtubular solid oxide fuel cells with lanthanum strontium manganite infiltrated cathodes. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 5469-5474	6.7	19
115	Persistence of short range order in the fluid phases of a mesogen copper complex studied by EPR. <i>Liquid Crystals</i> , 1993 , 13, 585-596	2.3	19

114	Optical properties of ZnF ₂ /CdF ₂ glasses doped with 4f ions. <i>Materials Research Bulletin</i> , 1991 , 26, 741-748	3.8	19
113	Thermally generated [Li]0 centers in CaO. <i>Physical Review B</i> , 1980 , 21, 1258-1263	3.3	19
112	Optical and electron paramagnetic resonance characterization of Dy ³⁺ in YSZ single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 1997 , 58, 1579-1585	3.9	18
111	Porous crystal structures obtained from directionally solidified eutectic precursors. <i>Journal of Crystal Growth</i> , 2007 , 300, 387-393	1.6	18
110	Continuous-wave and pulsed EPR studies of Cr ²⁺ defects in CaF ₂ . <i>Physical Review B</i> , 1996 , 53, 3047-3054	3.3	18
109	Characterization of laser-processed thin ceramic membranes for electrolyte-supported solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 13939-13948	6.7	17
108	Directionally solidified calcia stabilised zirconia/nickel oxide plates in anode supported solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1349-1353	6	17
107	Piezo-spectroscopy at low temperatures: residual stresses in Al ₂ O ₃ /rO ₂ (Y ₂ O ₃) eutectics measured from 77 to 350 K. <i>Acta Materialia</i> , 2002 , 50, 4677-4686	8.4	17
106	NaCl-assisted growth of micrometer-wide long single crystalline fluoride fibres. <i>Optical Materials</i> , 2005 , 27, 1726-1729	3.3	17
105	Magnetic susceptibility of NdGaO ₃ at low temperatures: A quasi-two-dimensional Ising behavior. <i>Physical Review B</i> , 1998 , 58, 798-804	3.3	17
104	Electrochemical performance of intermediate temperature micro-tubular solid oxide fuel cells using porous ceria barrier layers. <i>Ceramics International</i> , 2015 , 41, 7651-7660	5.1	16
103	Ni/YSZ cermet micro-tubes with textured surface. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 85-90	6	16
102	Preparation by hydrolysis of aerosols and colour properties of Cr-doped and Co-doped zircon powders. <i>Journal of the European Ceramic Society</i> , 1998 , 18, 821-830	6	16
101	Development of a macroporous ceramic passive sampler for the monitoring of cytostatic drugs in water. <i>Chemosphere</i> , 2017 , 182, 681-690	8.4	15
100	New polaritonic materials in the THz range made of directionally solidified halide eutectics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2061-2069	6	15
99	Processing, microstructure and optical properties of the directionally solidified Al ₂ O ₃ /uAlO ₃ eutectic rods. <i>Journal of Crystal Growth</i> , 2012 , 360, 123-126	1.6	15
98	Broadband laser tunability of Nd ³⁺ ions in 0.8CaSiO ₃ -0.2Ca ₃ (PO ₄) ₂ eutectic glass. <i>Optics Express</i> , 2009 , 17, 4382-7	3.3	15
97	Crystallography and thermal stability of textured Co-YSZ cermets from eutectic precursors. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2325-2329	6	15

96	Luminescence of tetrahedrally coordinated Co ²⁺ in zirconia. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 3717-3726	1.8	15
95	Imprinting of slip bands in mechanically deformed MgO crystals using lithium impurities. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1980 , 41, 431-441		15
94	Photothermal bleaching of Ca colloids in additively colored CaF ₂ . <i>Solid State Communications</i> , 1978 , 27, 1109-1112	1.6	15
93	Compositionally graded YSZ/NiO composites by surface laser melting. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 147-152	6	14
92	Textured cermets of CeO ₂ (or GDC) with Co for solid oxide fuel cells anodes. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 11499-11504	6.7	14
91	Structure of the Jahn-Teller distorted Cr ²⁺ defect in SrF ₂ :Cr by electron-spin-echo envelope modulation. <i>Physical Review B</i> , 1996 , 54, 12099-12108	3.3	14
90	Raman study of superconducting Nd _{2-x} Ce _x CuO _{4-y} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 161-166	1.3	14
89	Optical detection of metastable H ₂ - defects and photoconversion of anion vacancies in thermochemically reduced CaO crystals. <i>Physical Review B</i> , 1987 , 36, 1244-1247	3.3	14
88	Influence of 3d Ions on the Production Efficiency of Intrinsic Defects in CaF ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 1980 , 99, 585-591	1.3	14
87	Indentation Damage and Residual Stress Field in Alumina-Y ₂ O ₃ -Stabilized Zirconia Composites. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 152-160	3.8	13
86	Spectroscopic properties and frequency upconversion of Er ³⁺ -doped 0.8CaSiO ₃ ·0.2Ca ₃ (PO ₄) ₂ eutectic glass. <i>Optical Materials</i> , 2009 , 31, 1105-1108	3.3	13
85	The optical properties of the Nd ³⁺ ion in NdGaO ₃ and LaGaO ₃ :Nd: temperature and concentration dependence. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 9657-9673	1.8	13
84	X-ray and Raman study of the low temperature NH ₄ MnF ₃ structure; evidence of librational motion of the NH ₄ ⁺ ion. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 283-300	1.8	13
83	SOFC mini-tubulares basadas en YSZ. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2008 , 47, 189-195	1.9	13
82	Near infrared to visible upconversion of Er ³⁺ in CaZrO ₃ /CaSZ eutectic crystals with ordered lamellar microstructure. <i>Journal of Luminescence</i> , 2009 , 129, 1422-1427	3.8	12
81	Sub-threshold [Li] ⁺ formation and decoration of strained regions in crystalline MgO. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1981 , 44, 63-72		12
80	Charge-transfer salts with mononuclear and dinuclear gold(I) complexes: x-ray structure of [Au(CH ₂ PPh ₃) ₂](TCNQ) (TCNQ = 7,7,8,8-tetracyanoquinodimethane). <i>Journal of Organometallic Chemistry</i> , 1996 , 506, 203-210	2.3	11
79	Cold laser machining of nickel-yttrium stabilised zirconia cermets: Composition dependence. <i>Materials Research Bulletin</i> , 2009 , 44, 1910-1915	5.1	10

78	Stress Corrosion Cracking of Single-Crystal Tetragonal ZrO ₂ (Er ₂ O ₃). <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3125-3130	3.8	10
77	Orientation relationship and interfaces in nonfaceted-nonfaceted ZrO ₂ (c)-ZrO ₃ lamellar eutectics. <i>Journal of Materials Research</i> , 1999 , 14, 2588-2593	2.5	10
76	Reorientation of V-and (Li) ⁰ defects in MgO studied by EPR. <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, 67-76		10
75	Dynamical features of a hydrogen-lithium complex in MgO:Li studied by EPR. <i>Physical Review B</i> , 1986 , 33, 3058-3063	3.3	10
74	EPR study of a lithium-hydrogen complex in X-irradiated MgO:Li. <i>Journal of Physics C: Solid State Physics</i> , 1983 , 16, 783-789		10
73	Directionally solidified Al ₂ O ₃ /b3Al ₅ O ₁₂ eutectics for selective emitters. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 144, 405-410	6.4	9
72	Laser spectroscopy of Nd ³⁺ ions in glasses with the 0.8CaSiO ₃ 0.2Ca ₃ (PO ₄) ₂ eutectic composition. <i>Optical Materials</i> , 2009 , 31, 1319-1322	3.3	9
71	Redox behaviour of Gd-doped ceria-nickel oxide composites. <i>Journal of Power Sources</i> , 2009 , 192, 180-188.	9	9
70	A New Approach to Obtain Strip-Structured Biepitaxial YBa ₂ Cu ₃ O ₇ -Films by Using Ca-Stabilized Zirconia-ZrO ₃ Eutectic Substrates. <i>Advanced Materials</i> , 2000 , 12, 116-119	24	9
69	Magnetic exchange effects in nematogenic Schiff's base Cu(II) complexes. An EPR study. <i>Liquid Crystals</i> , 1995 , 19, 603-613	2.3	9
68	EPR and ENDOR investigation of the [FLi] ⁰ center in CaO. <i>Physical Review B</i> , 1981 , 23, 51-56	3.3	9
67	Ni-GDC microtubular cermets. <i>Solid State Ionics</i> , 2009 , 180, 784-787	3.3	8
66	YSZ Thin Films Deposited on NiO-CSZ Anodes by Pulsed Injection MOCVD for Intermediate Temperature-SOFC Applications. <i>Chemical Vapor Deposition</i> , 2004 , 10, 249-252		8
65	Site resolution spectroscopy of Nd ³⁺ in Yttrium Stabilized Zirconia. <i>Solid State Communications</i> , 1993 , 88, 435-438	1.6	8
64	Static and dynamical properties of D ⁰ i (Li) in MgO:Li studied by EPR: Isotope effects. <i>Journal of Chemical Physics</i> , 1988 , 88, 2976-2980	3.9	8
63	Mechanical properties of highly textured porous Ni/SZ and Co/SZ cermets produced from directionally solidified eutectics. <i>Ceramics International</i> , 2011 , 37, 3123-3131	5.1	7
62	Cation-radical salts with organometallic gold anions. X-ray structure of [TTFPh] ₂ [Au(C ₆ F ₅) ₂]. <i>Synthetic Metals</i> , 1998 , 92, 245-251	3.6	7
61	A new EPR study of the OH ²⁻ molecular ion in CaO. <i>Journal of Chemical Physics</i> , 1986 , 85, 4254-4260	3.9	7

60	Superhyperfine structure of the H ₂ ⁻ ion in MgO. <i>Physical Review B</i> , 1987 , 36, 5576-5577	3.3	7
59	Non-cubic Mn ²⁺ -centers in BaF ₂ . <i>Solid State Communications</i> , 1984 , 50, 665-667	1.6	7
58	Solid-particle erosion of directionally solidified Al ₂ O ₃ /ZrO ₂ (Y ₂ O ₃) eutectics. <i>Wear</i> , 2010 , 268, 571-578	3.5	6
57	An electron paramagnetic resonance study of the tetragonally distorted [Formula: see text] ion in [Formula: see text] and [Formula: see text]. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 7179-90	1.8	6
56	Tetragonally distorted Cr ²⁺ ions in BaF ₂ and SrCl ₂ studied by ESEEM spectroscopy. <i>Applied Magnetic Resonance</i> , 1998 , 15, 155-168	0.8	6
55	Microstructure-size dependence of the 1.520 Th Er ³⁺ luminescence lifetime in Al ₂ O ₃ /ZrO ₂ eutectic melt growth composites. <i>Applied Physics Letters</i> , 2002 , 80, 589-591	3.4	6
54	The enhanced Raman scattering of phonons in CaF ₂ and MgO samples containing Ca and Li colloids. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 9647-9657	1.8	6
53	Thermoluminescence of low-temperature X-irradiated MgO and MgO:Li single crystals. <i>Physica Status Solidi A</i> , 1983 , 75, 577-582		6
52	Temperature dependence of the Cs colloids absorption bands. <i>Solid State Communications</i> , 1980 , 33, 151-154	1.6	6
51	Optical and EPR Studies of NH ₄ MnF ₃ above 80 K. <i>Physica Status Solidi (B): Basic Research</i> , 1982 , 109, K81-K83	1.3	6
50	Anomalous temperature dependence of the EPR linewidth of tetraethylammonium iron (III) tetrachloride, (C ₂ H ₅) ₄ NFeCl ₄ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 98, 374-376	2.3	6
49	Fibrillar Mn ₃ O ₄ /Mn ₂ S ₃ well-ordered eutectics with potential functional applications. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 909-918	6	5
48	Orientation relationship and interfaces in Ni and Co-YSZ cermets prepared from directionally solidified eutectics. <i>Open Physics</i> , 2009 , 7,	1.3	5
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