

N Ravishankar

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.

143
papers

4,375
citations

32
h-index

62
g-index

149
ext. papers

4,673
ext. citations

6.2
avg, IF

5.58
L-index

#	Paper	IF	Citations
143	Tuning Catalytic Activity in Ultrathin Bimetallic Nanowires via Surface Segregation: Some Insights.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 770-776	6.4	
142	Designed synthesis of a hierarchical MoSe ₂ @WSe ₂ hybrid nanostructure as a bifunctional electrocatalyst for total water-splitting. <i>Sustainable Energy and Fuels</i> , 2022 , 6, 1708-1718	5.8	0
141	Anion exchange method to synthesize layered materials and heterostructures. <i>Microscopy and Microanalysis</i> , 2021 , 27, 666-668	0.5	
140	Dirac surface plasmons in photoexcited bismuth telluride nanowires: optical pump-terahertz probe spectroscopy. <i>Nanoscale</i> , 2021 , 13, 8283-8292	7.7	2
139	Solution Phase Synthesis of Radial-Axial Heterostructured Nanowires with Coherent Interfaces. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3102-3109	3.8	2
138	Contact-Barrier Free, High Mobility, Dual-Gated Junctionless Transistor Using Tellurium Nanowire. <i>Advanced Functional Materials</i> , 2021 , 31, 2006278	15.6	4
137	Ultralow non-noble metal loaded MOF derived bi-functional electrocatalysts for the oxygen evolution and reduction reactions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9319-9326	13	10
136	Morphology Controlled Low-dimensional Single-crystalline SnSe ₂ -graphene Hybrid for near IR Photodetection. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2338-2340	0.5	
135	Mechanistic Studies of Growth of Ultrathin Pt and Alloy Nanowires. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2400-2401	0.5	
134	Axial-Radial Heterostructures of Telluride Nanowire. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2834-2836	0.5	
133	Self-Assembled Nanostructured Tin Oxide Thin Films at the Air/Water Interface for Selective H ₂ S Detection. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3730-3740	5.6	2
132	Carrier Dynamics in Ultrathin Gold Nanowires: Role of Auger Processes. <i>Plasmonics</i> , 2020 , 15, 1151-1158	2.4	2
131	Thermal History-Dependent Current Relaxation in hBN/MoS van der Waals Dimers. <i>ACS Nano</i> , 2020 , 14, 5909-5916	16.7	5
130	Morphology controlled synthesis of low bandgap SnSe with high photodetectivity. <i>Nanoscale</i> , 2019 , 11, 870-877	7.7	22
129	Ultra-sensitive graphene-bismuth telluride nano-wire hybrids for infrared detection. <i>Nanoscale</i> , 2019 , 11, 1579-1586	7.7	16
128	Enhancement of Raman signal from analytes on ultrathin Au and AuCu alloy nanowire network substrates. <i>Materials Research Express</i> , 2019 , 6, 085068	1.7	4
127	Directed Microwave-Assisted Self-Assembly of Au/Graphene/Au Plasmonic Dimers for SERS Applications. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900629	4.6	11

126	Ultrathin Au-Alloy Nanowires at the Liquid-Liquid Interface. <i>Nano Letters</i> , 2018 , 18, 1903-1907	11.5	23
125	Manipulation of Optoelectronic Properties and Band Structure Engineering of Ultrathin Te Nanowires by Chemical Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19462-19469	9.5	7
124	Spectroscopic and kinetic insights of Pt-dispersion over microwave-synthesized GO-supported Pt-TiO ₂ for CO oxidation. <i>Molecular Catalysis</i> , 2017 , 432, 88-98	3.3	11
123	Orientation Selection during Heterogeneous Nucleation: Implications for Heterogeneous Catalysis. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10027-10037	3.8	10
122	Crumpled sheets of reduced graphene oxide as a highly sensitive, robust and versatile strain/pressure sensor. <i>Nanoscale</i> , 2017 , 9, 9581-9588	7.7	25
121	Ultrathin Au-alloy nanowires: Synthesis and Stability. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1918-1919	0.5	
120	Designing Diameter-Modulated Heterostructure Nanowires of PbTe/Te by Controlled Dewetting. <i>Nano Letters</i> , 2017 , 17, 7226-7233	11.5	6
119	Existence of Ti ²⁺ States on the Surface of Heavily Reduced SrTiO ₃ Nanocubes. <i>Chemistry of Materials</i> , 2017 , 29, 9887-9891	9.6	13
118	Insights into nucleation, growth and phase selection of WO ₃ : morphology control and electrochromic properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7307-7316	7.1	26
117	Ultra-high sensitivity infra-red detection and temperature effects in a graphene-tellurium nanowire binary hybrid. <i>Nanoscale</i> , 2017 , 9, 9284-9290	7.7	21
116	Enhanced preferential CO oxidation on Zn ₂ SnO ₄ supported Au nanoparticles: support and H ₂ effects. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14430-14436	13	14
115	Centrosymmetric tetragonal tellurium doped calcium copper titanate and its dielectric tunability. <i>Solid State Communications</i> , 2016 , 241, 7-13	1.6	5
114	Rapid synthesis of hybrids and hollow PdO nanostructures by controlled in situ dissolution of a ZnO nanorod template: insights into the formation mechanism and thermal stability. <i>Nanoscale</i> , 2016 , 8, 1462-9	7.7	3
113	Effect of processing route on the bipolar contribution to the thermoelectric properties of n-type eutectic Bi _{22.5} Sb _{7.5} Te ₇₀ alloy. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 791-798	5.7	11
112	Ultrathin Au nanowires supported on rGO/TiO ₂ as an efficient photoelectrocatalyst. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17459-17468	13	22
111	Graphene-oxide-supported ultrathin Au nanowires: efficient electrocatalysts for borohydride oxidation. <i>Chemical Communications</i> , 2015 , 51, 16856-9	5.8	15
110	Directed Assembly of Ultrathin Gold Nanowires over Large Area by Dielectrophoresis. <i>Langmuir</i> , 2015 , 31, 9246-52	4	19
109	Synthesis of Hollow Nanotubes of Zn ₂ SiO ₄ or SiO ₂ : Mechanistic Understanding and Uranium Adsorption Behavior. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26430-6	9.5	31

108	Insights on Defect-Mediated Heterogeneous Nucleation of Graphene on Copper. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2513-2522	3.8	23
107	Semiconductor-like Sensitivity in Metallic Ultrathin Gold Nanowire-Based Sensors. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18676-18682	3.8	17
106	Atomic structure of quantum gold nanowires: quantification of the lattice strain. <i>ACS Nano</i> , 2014 , 8, 599-606	4.0	24
105	Wrinkling of atomic planes in ultrathin Au nanowires. <i>Nano Letters</i> , 2014 , 14, 4859-66	11.5	30
104	New insights into electronic and geometric effects in the enhanced photoelectrooxidation of ethanol Using ZnO nanorod/ultrathin Au nanowire hybrids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14445-55	16.4	60
103	Room temperature growth of ultrathin Au nanowires with high areal density over large areas by in situ functionalization of substrate. <i>Langmuir</i> , 2014 , 30, 12690-5	4	17
102	Formation and thermal stability of gold-silica nanohybrids: insight into the mechanism and morphology by electron tomography. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3970-4	16.4	11
101	Au ₂ S(x)/CdS nanorods by cation exchange: mechanistic insights into the competition between cation-exchange and metal ion reduction. <i>Small</i> , 2014 , 10, 3895-900	11	12
100	Synergistic effect of reactor chemistry and compressive stress on dislocation bending during GaN growth. <i>Applied Physics Letters</i> , 2013 , 103, 041912	3.4	10
99	Highly photoactive heterostructures of PbO quantum dots on TiO ₂ . <i>RSC Advances</i> , 2013 , 3, 20970	3.7	27
98	Influence of CeO ₂ morphology on the catalytic activity of CeO ₂ -Pt hybrids for CO oxidation. <i>Dalton Transactions</i> , 2013 , 42, 15343-54	4.3	57
97	Mechanistic Insights into a Non-Classical Diffusion Pathway for the Formation of Hollow Intermetallics: A Route to Multicomponent Hollow Structures. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 590-598	3.1	8
96	Tunability of electronic states in ultrathin gold nanowires. <i>Advanced Materials</i> , 2013 , 25, 2486-91	24	28
95	Pristine nanomaterials: synthesis, stability and applications. <i>Nanoscale</i> , 2013 , 5, 5215-24	7.7	6
94	Single crystalline ultrathin gold nanowires: Promising nanoscale interconnects. <i>AIP Advances</i> , 2013 , 3, 032131	1.5	25
93	Origin of enhanced photocatalytic activity and photoconduction in high aspect ratio ZnO nanorods. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10795-802	3.6	104
92	An early in-situ stress signature of the AlN-Si pre-growth interface for successful integration of nitrides with (111) Si. <i>Applied Physics Letters</i> , 2013 , 103, 211902	3.4	20
91	Pristine, adherent ultrathin gold nanowires on substrates and between pre-defined contacts via a wet chemical route. <i>Nanoscale</i> , 2012 , 4, 433-7	7.7	15

90	ZnO-Au nanohybrids by rapid microwave-assisted synthesis for CO oxidation. <i>Dalton Transactions</i> , 2012 , 41, 8762-6	4.3	27
89	Existing and emerging strategies for the synthesis of nanoscale heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 19256-69	3.6	10
88	Ultrafast Microwave-Assisted Route to Surfactant-Free Ultrafine Pt Nanoparticles on Graphene: Synergistic Co-reduction Mechanism and High Catalytic Activity. <i>Chemistry of Materials</i> , 2011 , 23, 2772-2780	9.6	243
87	New insights into selective heterogeneous nucleation of metal nanoparticles on oxides by microwave-assisted reduction: rapid synthesis of high-activity supported catalysts. <i>ACS Nano</i> , 2011 , 5, 8049-61	16.7	69
86	Nanoscale ZnO/CdS heterostructures with engineered interfaces for high photocatalytic activity under solar radiation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4209		134
85	Thermally controlled cyclic insertion/ejection of dopant ions and reversible zinc blende/wurtzite phase changes in ZnS nanostructures. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1666-9	16.4	81
84	Branched titania nanotubes through anodization voltage control. <i>Thin Solid Films</i> , 2011 , 520, 235-238	2.2	15
83	Highly dispersed ultrafine Pt and PtRu nanoparticles on graphene: formation mechanism and electrocatalytic activity. <i>Nanoscale</i> , 2011 , 3, 569-71	7.7	141
82	Porous, catalytically active palladium nanostructures by tuning nanoparticle interactions in an organic medium. <i>Nanoscale</i> , 2011 , 3, 725-30	7.7	57
81	Nanoporous alloy aggregates: synthesis and electrocatalytic activity. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8721		30
80	Insulating state and breakdown of Fermi liquid description in molecular-scale single-crystalline wires of gold. <i>ACS Nano</i> , 2011 , 5, 8398-403	16.7	33
79	Thermal stability of spherical nanoporous aggregates and formation of hollow structures by sintering—a phase-field study. <i>ACS Nano</i> , 2011 , 5, 2700-6	16.7	32
78	Kinetics of titania nanotube formation by anodization of titanium films. <i>Thin Solid Films</i> , 2011 , 519, 1821-1824	2.2	17
77	Atomistic fracture energy partitioning at a metal-ceramic interface using a nanomolecular monolayer. <i>Physical Review B</i> , 2011 , 83,	3.3	6
76	Functional nanoporous structures by partial sintering of nanorod assemblies. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 455301	3	8
75	Symmetry and shape issues in nanostructure growth. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4763		41
74	Microsphere Bouquets of Bismuth Telluride Nanoplates: Room-Temperature Synthesis and Thermoelectric Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1796-1799	3.8	34
73	Nanoscale heterostructures with molecular-scale single-crystal metal wires. <i>Journal of the American Chemical Society</i> , 2010 , 132, 20-1	16.4	33

72	Branched Copper Nanocrystal Corals by Room-Temperature Galvanic Displacement. <i>Crystal Growth and Design</i> , 2010 , 10, 3925-3928	3.5	9
71	MetalDielectric Interface Toughening by Catalyzed Ring Opening in a Monolayer. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 336-340	6.4	12
70	Seeing is Believing: Electron Microscopy for Investigating Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1212-1220	6.4	11
69	Ring-opening-induced toughening of a low-permittivity polymer-metal interface. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1275-80	9.5	9
68	Surface diffusion driven nanoshell formation by controlled sintering of mesoporous nanoparticle aggregates. <i>Nanoscale</i> , 2010 , 2, 1423-5	7.7	23
67	High-surface step density on dendritic pd leads to exceptional catalytic activity for formic acid oxidation. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2965-9	9.5	53
66	Delamination and solvothermal decomposition of layered zinc hydroxysalt: Formation of bimodal zinc oxide nanostructures. <i>Solid State Sciences</i> , 2010 , 12, 1399-1403	3.4	9
65	Effect of calcium deficiency on the mechanical properties of hydroxyapatite crystals. <i>Acta Materialia</i> , 2010 , 58, 4841-4848	8.4	26
64	Nanopatterning by solid-state dewetting on reconstructed ceramic surfaces. <i>Applied Physics Letters</i> , 2009 , 94, 171114	3.4	32
63	Anionic clayPt metal nanoparticle composite through intercalation of hexachloroplatinate in nickel zinc hydroxysalt. <i>Solid State Sciences</i> , 2009 , 11, 1270-1274	3.4	8
62	Formation of two-dimensional structures by tuning the driving force of chemical reactions: an interpretation of kinetic control. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 211-9	9.3	19
61	Hybrid SolGel Combustion Synthesis of Nanoporous Anatase. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18204-18211	3.8	21
60	Nanoporous Pt with high surface area by reaction-limited aggregation of nanoparticles. <i>Langmuir</i> , 2009 , 25, 3115-21	4	57
59	Oriented Nanocrystal Arrays of Selectable Polymorphs by Chemical Sculpture. <i>Chemistry of Materials</i> , 2009 , 21, 3197-3201	9.6	15
58	Directed Synthesis of Rocksalt AuCl Crystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5349-5351	3.8	10
57	Mechanistic Aspects of Shape Selection and Symmetry Breaking during Nanostructure Growth by Wet Chemical Methods. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16866-16883	3.8	124
56	Controlled Attachment of Ultrafine Platinum Nanoparticles on Functionalized Carbon Nanotubes with High Electrocatalytic Activity for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1466-1473	3.8	132
55	Metal Nanostructures on Ceramic Surfaces for Energy Applications. <i>Microscopy and Microanalysis</i> , 2009 , 15, 1442-1443	0.5	

54	Predicting the growth of two-dimensional nanostructures. <i>Nanotechnology</i> , 2008 , 19, 195603	3.4	48
53	Delamination of surfactant-intercalated brucite-like hydroxy salts of cobalt and copper and solvothermal decomposition of the resultant colloidal dispersions. <i>Langmuir</i> , 2008 , 24, 11164-8	4	22
52	Sequential Organic-Inorganic Templating and Thermoelectric Properties of High-Aspect-Ratio Single-Crystal Lead Telluride Nanorods. <i>Chemistry of Materials</i> , 2008 , 20, 4791-4793	9.6	28
51	Modified electron-beam-induced deposition of metal nanostructure arrays using a parallel electron beam. <i>Applied Physics Letters</i> , 2008 , 93, 133104	3.4	8
50	In situ Microscopy: A Tool to Understand Mechanisms. <i>Microscopy and Microanalysis</i> , 2008 , 14, 246-247	0.5	2
49	Complementary Microscopy Techniques for Characterizing Nanostructures. <i>Microscopy and Microanalysis</i> , 2008 , 14, 374-375	0.5	1
48	Mechanical properties of tricalcium phosphate single crystals grown by molten salt synthesis. <i>Acta Biomaterialia</i> , 2008 , 4, 1448-54	10.8	41
47	Polymer assisted hydroxyapatite microspheres suitable for biomedical application. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 2009-13	4.5	24
46	Interstratification of trioctahedral and dioctahedral smectites through delamination and costacking. <i>Journal of Colloid and Interface Science</i> , 2008 , 324, 80-4	9.3	6
45	Solution decomposition of the layered double hydroxide of Co with Fe: phase segregation of normal and inverse spinels. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 419-24	9.3	5
44	Controlled synthesis of plate-shaped hydroxyapatite and implications for the morphology of the apatite phase in bone. <i>Biomaterials</i> , 2008 , 29, 4855-63	15.6	138
43	Suppression of the reversible thermal behavior of the layered double hydroxide (LDH) of Mg with Al: stabilization of nanoparticulate oxides. <i>Langmuir</i> , 2007 , 23, 7700-6	4	12
42	A novel solvothermal method for nanoparticle thin films and coatings. <i>Nanotechnology</i> , 2007 , 18, 025603	3.4	15
41	Ultrafine Single-Crystalline Gold Nanowire Arrays by Oriented Attachment. <i>Advanced Materials</i> , 2007 , 19, 1854-1858	24	371
40	Mechanical properties and anisotropy in hydroxyapatite single crystals. <i>Scripta Materialia</i> , 2007 , 57, 361-364	3.64	122
39	Solution decomposition of the layered double hydroxide (LDH) of Zn with Al. <i>Solid State Sciences</i> , 2007 , 9, 279-286	3.4	44
38	Nanocomposites of hydroxides of nickel and cobalt by delamination and co-stacking: Enhanced stability of motifs in alkaline medium and electrochemical behaviour. <i>Journal of Power Sources</i> , 2007 , 172, 970-974	8.9	59
37	Porous biphasic scaffolds and coatings for biomedical applications via morphology transition of nanorods. <i>Nanotechnology</i> , 2007 , 18, 475604	3.4	12

36	Interfacial reactions in hydroxyapatite/alumina nanocomposites. <i>Scripta Materialia</i> , 2006 , 55, 863-866	5.6	84
35	pH mediated delamination of anionic clay-like nickel/zinc hydroxysalt in water through intercalation of zwitterionic p-aminobenzoate ions. <i>Solid State Sciences</i> , 2006 , 8, 162-167	3.4	14
34	Gold nanostructures from cube-shaped crystalline intermediates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6595-600	3.4	40
33	Layered double hydroxide-CdSe quantum dot composites through colloidal processing: effect of host matrix-nanoparticle interaction on optical behavior. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 772-84	3.4	62
32	Studying Trapped Grains in Alumina using SEM and EBSD. <i>Microscopy and Microanalysis</i> , 2006 , 12, 1020-1021		
31	Studying alumina boundary migration using combined microscopy techniques. <i>Journal of Physics: Conference Series</i> , 2006 , 26, 123-126	0.3	
30	A Study of Dewetting on (001) Rutile using AFM. <i>Microscopy and Microanalysis</i> , 2006 , 12, 1028-1029	0.5	
29	The effects of crystallography on grain-boundary migration in alumina. <i>Journal of Materials Science</i> , 2006 , 41, 661-674	4.3	9
28	Ferrimagnetic nanogranular Co ₃ O ₄ through solvothermal decomposition of colloiddally dispersed monolayers of alpha-cobalt hydroxide. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11468-72	3.4	146
27	Surfactant intercalated alpha-hydroxides of cobalt and nickel and their delamination--restacking behavior in organic media. <i>Journal of Colloid and Interface Science</i> , 2005 , 288, 629-33	9.3	29
26	Delamination/restacking behaviour of surfactant intercalated layered hydroxy double salts, M ₃ Zn ₂ (OH) ₈ (surf) ₂ ·2H ₂ O [M = Ni, Co and surf = dodecyl sulphate (DS), dodecyl benzene sulphonate (DBS)]. <i>Solid State Sciences</i> , 2005 , 7, 195-199	3.4	36
25	Ordered nanostructures by site-specific heterogeneous nucleation. <i>Philosophical Magazine Letters</i> , 2005 , 85, 523-531	1	4
24	Structural and Dielectric Properties of SrBi _{2-x} Pb _x Nb ₂ O ₉ /2 (0 ≤ x ≤ 1). <i>Ferroelectrics</i> , 2005 , 324, 113-119	0.6	2
23	Nanopatterning on Reconstructed Ceramic Surfaces. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 819, N5.8.1		
22	Dewetting on the Surface of Rutile. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 819, N5.9.1		
21	Electric Field Singularity Assisted Nanopatterning. <i>Advanced Materials</i> , 2004 , 16, 76-80	24	16
20	Synthesis and structure of nanocrystalline TiO ₂ with lower band gap showing high photocatalytic activity. <i>Langmuir</i> , 2004 , 20, 2900-7	4	473
19	Analysis of Grain Boundary Migration in Alumina. <i>Microscopy and Microanalysis</i> , 2003 , 9, 64-65	0.5	

18	Understanding milling induced changes: Some results. <i>Journal of Chemical Sciences</i> , 2003 , 115, 727-740	1.8	
17	Glass and metals on crystalline oxides. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2777-2785	6	9
16	Application of FIB and TEM for the Characterization of Dewetting Behavior on Ceramics. <i>Microscopy and Microanalysis</i> , 2002 , 8, 562-563	0.5	3
15	Bunching of Surface Steps and Facet Formation on Alumina Surface. <i>Journal of Materials Research</i> , 2002 , 17, 98-106	2.5	7
14	Dewetting of liquids on ceramic surfaces at high temperatures. <i>Microscopy and Microanalysis</i> , 2002 , 8, 257-67	0.5	3
13	Monitoring Faceting on Ceramic Surfaces. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 750, 1		2
12	Investigation of Surface Grooves from Migrating Grain Boundaries. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 750, 1		1
11	Migration of alumina grain boundaries containing a thin glass film. <i>Acta Materialia</i> , 2001 , 49, 1963-1969	8.4	11
10	Application of effective potential formalism to mechanical alloying in Ag ₄ Ti and Cu ₃ Be systems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 413-417	5.3	15
9	Exuding Liquid from Grain Boundaries in Alumina. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 859-862	3.5	3
8	Microanalysis of AFM Tips Coated with Cerium Oxide. <i>Microscopy and Microanalysis</i> , 2001 , 7, 1236-1237	0.5	
7	Glass-Crystal Boundaries in Liquid-Phase Sintered Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 620, 1		
6	Grain Boundary Migration in Alumina. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 652, 1		
5	Exudation of Silicate Liquid from Polycrystalline Alumina. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 654, 581		
4	Glass/Crystal Interfaces in Liquid-Phase Sintered Materials. <i>Journal of Materials Science</i> , 2000 , 8, 295-304		3
3	On the Influence of Applied Fields on Spinel Formation. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 586, 151		3
2	Control of Grain Boundary Microstructures in Liquid-Phase Sintered Alumina. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 586, 59		2
1	Shapes of quasicrystals. <i>Progress in Crystal Growth and Characterization of Materials</i> , 1997 , 34, 237-249	3.5	22

