

I-Wei Chen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4332712/i-wei-chen-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

344
papers

16,079
citations

64
h-index

121
g-index

364
ext. papers

17,210
ext. citations

7
avg, IF

6.77
L-index

#	Paper	IF	Citations
344	DC resistance degradation of SrTiO ₃ : The role of virtual-cathode needles and oxygen bubbles. <i>Journal of the American Ceramic Society</i> , 2022 , 105, 362	3.8	0
343	Improving Cancer Detection and Treatment by pH-Sensitive Peptide Nanoparticle Drug Delivery Platform: Pharmacokinetics, Toxicity, and Immunogenicity Profile. <i>Advanced NanoBiomed Research</i> , 2022 , 2, 2100081	0	
342	Enhanced Mobility of Cations and Anions in the Redox State: The Polaronium Mechanism. <i>Acta Materialia</i> , 2022 , 117941	8.4	3
341	Potential jumps at transport bottlenecks cause instability of nominally ionic solid electrolytes in electrochemical cells. <i>Acta Materialia</i> , 2020 , 199, 264-277	8.4	13
340	DC electrical degradation of YSZ: Voltage-controlled electrical metallization of a fast ion conducting insulator. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3178-3193	3.8	6
339	SiO ₂ stabilizes electrochemically active nitrogen in few-layer carbon electrodes of extraordinary capacitance. <i>Journal of Energy Chemistry</i> , 2020 , 49, 179-188	12	5
338	Nitrogen-doped black titania for high performance supercapacitors. <i>Science China Materials</i> , 2020 , 63, 1227-1234	7.1	8
337	Electrodes with Electrodeposited Water-excluding Polymer Coating Enable High-Voltage Aqueous Supercapacitors. <i>Research</i> , 2020 , 2020, 4178179	7.8	1
336	Solar activated crude oil cleanup using net-shape-formed ultralight graphene tiles. <i>Applied Materials Today</i> , 2020 , 19, 100551	6.6	2
335	Sulfur-terminated tin oxides for durable, highly reversible storage of large-capacity lithium. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 626-631	13	4
334	Orthorhombic NbO for Durable High-Rate Anode of Li-Ion Batteries. <i>IScience</i> , 2020 , 23, 100767	6.1	21
333	Toward large-scale water treatment using nanomaterials. <i>Nano Today</i> , 2019 , 27, 11-27	17.9	48
332	An electronic silicon-based memristor with a high switching uniformity. <i>Nature Electronics</i> , 2019 , 2, 66-74	8.4	25
331	Biomimetic nano-surfactant stabilizes sub-50 nanometer phospholipid particles enabling high paclitaxel payload and deep tumor penetration. <i>Biomaterials</i> , 2018 , 181, 240-251	15.6	5
330	Oxygen potential transition in mixed conducting oxide electrolyte. <i>Acta Materialia</i> , 2018 , 156, 399-410	8.4	19
329	Purely electronic nanometallic resistance switching random-access memory. <i>MRS Bulletin</i> , 2018 , 43, 358-364	3.64	12
328	Mobility transition at grain boundaries in two-step sintered 8 mol% yttria-stabilized zirconia. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1857-1869	3.8	19

327	Electrical and hydrogen reduction enhances kinetics in doped zirconia and ceria: II. Mapping electrode polarization and vacancy condensation in YSZ. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1058-1073	3.8	37
326	A computational study of yttria-stabilized zirconia: II. Cation diffusion. <i>Acta Materialia</i> , 2017 , 126, 438-450	4.4	38
325	A computational study of yttria-stabilized zirconia: I. Using crystal chemistry to search for the ground state on a glassy energy landscape. <i>Acta Materialia</i> , 2017 , 127, 73-84	8.4	20
324	A Robust and Conductive Black Tin Oxide Nanostructure Makes Efficient Lithium-Ion Batteries Possible. <i>Advanced Materials</i> , 2017 , 29, 1700136	24	173
323	Electrical and hydrogen reduction enhances kinetics in doped zirconia and ceria: I. grain growth study. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 876-886	3.8	59
322	Peptide nanoparticle with pH-sensing cargo solubility enhances cancer drug efficiency. <i>Nano Today</i> , 2017 , 13, 15-22	17.9	9
321	Probing material conductivity in two-terminal devices by resistance difference. <i>Applied Physics Letters</i> , 2017 , 111, 083501	3.4	2
320	Scalability of voltage-controlled filamentary and nanometallic resistance memory devices. <i>Nanoscale</i> , 2017 , 9, 12690-12697	7.7	21
319	A novel ultralight three-dimensional house-of-cards titania monolith for extraordinary heavy-metal adsorption. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15724-15729	13	9
318	Thermal Runaway in Mold-Assisted Flash Sintering. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2889-2894	3.8	24
317	Biodegradable resistive switching memory based on magnesium difluoride. <i>Nanoscale</i> , 2016 , 8, 15048-15057	7.7	19
316	Observing Oxygen Vacancy Driven Electroforming in Pt-TiO ₂ -Pt Device via Strong Metal Support Interaction. <i>Nano Letters</i> , 2016 , 16, 2139-44	11.5	57
315	Superior Reliability Via Two-Step Sintering: Barium Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 191-197	3.8	29
314	Frequency-dependence of the switching voltage in electronic switching of Pt-dispersed SiO ₂ thin films. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 1403-1408	0.6	
313	Tuning resistance states by thickness control in an electroforming-free nanometallic complementary resistance random access memory. <i>Applied Physics Letters</i> , 2016 , 108, 013506	3.4	4
312	Distinguishing uniform switching from filamentary switching in resistance memory using a fracture test. <i>Nanoscale</i> , 2016 , 8, 18113-18120	7.7	8
311	RES blockade: A strategy for boosting efficiency of nanoparticle drug. <i>Nano Today</i> , 2015 , 10, 11-21	17.9	84
310	New progress in development of ferroelectric and piezoelectric nanoceramics. <i>Journal of Advanced Ceramics</i> , 2015 , 4, 1-21	10.7	33

309	Nanofilament Dynamics in Resistance Memory: Model and Validation. <i>ACS Nano</i> , 2015 , 9, 7649-60	16.7	18
308	A study of the relationship of metabolic MR parameters to estrogen dependence in breast cancer xenografts. <i>NMR in Biomedicine</i> , 2015 , 28, 1087-96	4.4	2
307	Onset Criterion for Flash Sintering. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3624-3627	3.8	72
306	Predicting the Onset of Flash Sintering. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2333-2335	3.8	59
305	A new tubular graphene form of a tetrahedrally connected cellular structure. <i>Advanced Materials</i> , 2015 , 27, 5943-9	24	163
304	Nitrogen-doped mesoporous carbon of extraordinary capacitance for electrochemical energy storage. <i>Science</i> , 2015 , 350, 1508-13	33.3	1530
303	Photoresponsive Protein-Graphene-Protein Hybrid Capsules with Dual Targeted Heat-Triggered Drug Delivery Approach for Enhanced Tumor Therapy. <i>Advanced Functional Materials</i> , 2014 , 24, 4144-4155	15.6	83
302	NIR-Triggered Synergic Photo-chemothermal Therapy Delivered by Reduced Graphene Oxide/Carbon/Mesoporous Silica Nanocookies. <i>Advanced Functional Materials</i> , 2014 , 24, 451-459	15.6	85
301	Resolving voltage-time dilemma using an atomic-scale lever of subpicosecond electron-phonon interaction. <i>Nano Letters</i> , 2014 , 14, 5058-67	11.5	18
300	Vapor-Phase Deposition of Oxides 2014 , 267-290		
299	Perovskites 2014 , 257-297		
298	Quantitative evaluation of the reticuloendothelial system function with dynamic MRI. <i>PLoS ONE</i> , 2014 , 9, e103576	3.7	12
297	Polymer-Derived Ceramics 2014 , 457-500		1
296	Structural Chemistry of Ceramics 2014 , 71-103		
295	Diffusion in Ceramics 2014 , 105-182		0
294	Structures of Ceramic Materials: Thermodynamics and Constitution 2014 , 183-229		
293	Modeling Amorphous Ceramic Structures 2014 , 39-69		
292	Mesoscopic Ceramic Structures in One, Two, and Three Dimensions 2014 , 297-346		

291 Bulk Ceramic Nanostructures **2014**, 347-373

290 Glass Ceramics: Silica- and Alumina-Based **2014**, 375-406

289 Microstructural Design of Ceramics: Theory and Experiment **2014**, 231-295

288 Cellular Structures **2014**, 407-441

1

287 Ceramic Thin Films **2014**, 443-509

286 Multiphase Fiber Composites **2014**, 511-582

285 Ceramic Oxides **2014**, 1-58

284 StructureProperty Relations **2014**, 349-378

283 Gallium Nitride and Oxonitrides **2014**, 91-130

282 Silicon Carbide- and Boron Carbide-Based Hard Materials **2014**, 131-227

281 Fracture Resistance of Ceramics **2014**, 601-631

280 Creep Mechanisms in Commercial Grades of Silicon Nitride **2014**, 577-599

279 Machining and Finishing of Ceramics **2014**, 247-266

278 Oxidation and Corrosion of Ceramics **2014**, 1-93

277 Ceramic Filters and Membranes **2014**, 117-167

276 Thermal Barrier Coatings **2014**, 95-115

1

275 High-Temperature Engineering Ceramics **2014**, 169-190

274 Advanced Ceramic Glow Plugs **2014**, 191-206

- 273 Oxides for Li Intercalation, Li-ion Batteries **2014**, 471-494
- 272 Fundamentals and Methods of Ceramic Joining **2014**, 215-246
- 271 Sintering of Nanograin Ceramics **2014**, 439-455 1
- 270 Hot Pressing and Spark Plasma Sintering **2014**, 189-214
- 269 Sol-Gel Processing of Ceramics **2014**, 121-140
- 268 High-Pressure Routes to Ceramics **2014**, 501-517
- 267 Powder Characterization **2014**, 337-368
- 266 Liquid Feed-Flame Spray Pyrolysis (LF-FSP) in the Synthesis of Single- and Mixed-Metal Oxide Nanopowders **2014**, 97-120
- 265 Hydrothermal Routes to Advanced Ceramic Powders and Materials **2014**, 63-95
- 264 Sintering **2014**, 141-169
- 263 Hot Isostatic Pressing and Gas-Pressure Sintering **2014**, 171-187
- 262 Metal-Organic Chemical Vapor Deposition of Metal Oxide Films and Nanostructures **2014**, 291-336 2
- 261 Powder Compaction by Dry Pressing **2014**, 1-37 3
- 260 Nonconventional Polymers in Ceramic Processing: Thermoplastics and Monomers **2014**, 395-413
- 259 Process Defects **2014**, 369-394
- 258 Ferroelectric Properties **2014**, 729-790
- 257 Fracture of Ceramics **2014**, 529-575
- 256 Interfaces and Microstructures in Materials **2014**, 479-528

255 Electrical Conduction in Nanostructured Ceramics **2014**, 697-727

254 Complex Oxynitrides **2014**, 229-256

253 Thermal Conductivity **2014**, 665-696

252 Superplasticity in Ceramics: Accommodation-Controlling Mechanisms Revisited **2014**, 633-663

1

251 Magnetic Properties of Transition-Metal Oxides: From Bulk to Nano **2014**, 791-833

250 Defect Structure, Nonstoichiometry, and Nonstoichiometry Relaxation of Complex Oxides **2014**, 437-478

1

249 The $Mn_{n+1}AX_n$ Phases and their Properties **2014**, 299-347

2

248 Nitrides **2014**, 59-89

247 Ceramic Fuel Cells: Principles, Materials, and Applications **2014**, 345-371

246 Ceramic Lighting **2014**, 415-445

245 Ceramic Gas Sensors **2014**, 447-470

244 Magnetic Ceramics **2014**, 495-510

243 Polymer-Derived Ceramics: 40 Years of Research and Innovation in Advanced Ceramics **2014**, 245-320

242 Nitridosilicates and Oxonitridosilicates: From Ceramic Materials to Structural and Functional Diversity **2014**, 373-413

1

241 Nanosized and Nanostructured Hard and Superhard Materials and Coatings **2014**, 207-234

240 Microwave Ceramics **2014**, 321-344

239 Manufacturing Technology: Rapid Prototyping **2014**, 415-437

238 Dislocations in Ceramics **2014**, 379-436

237	Modern Trends in Advanced Ceramics 2014 , 1-38		1
236	Tape Casting 2014 , 39-62		1
235	Effects of moisture barriers on resistive switching in Pt-dispersed SiO ₂ nanometallic thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 235-239	2.6	9
234	Cause and prevention of moisture-induced degradation of resistance random access memory nanodevices. <i>ACS Nano</i> , 2013 , 7, 2302-11	16.7	28
233	Electro-Sintering of Yttria-Stabilized Cubic Zirconia. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1398-1406	3.8	21
232	Controllable synthesis of silver cyanamide as a new semiconductor photocatalyst under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7942	13	33
231	Ionomigration of Pores and Gas Bubbles in Yttria-Stabilized Cubic Zirconia. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1090-1098	3.8	12
230	Demonstration and modeling of multi-bit resistance random access memory. <i>Applied Physics Letters</i> , 2013 , 102, 043502	3.4	24
229	In Situ Thermometry Measuring Temperature Flashes Exceeding 1,700°C in 8 mol% Y ₂ O ₃ -Stabilized Zirconia Under Constant-Voltage Heating. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 697-700	3.8	35
228	A Parallel Circuit Model for Multi-State Resistive-Switching Random Access Memory. <i>Advanced Functional Materials</i> , 2012 , 22, 546-554	15.6	32
227	Autonomously Controlled Homogenous Growth of Wafer-Sized High-Quality Graphene via a Smart Janus Substrate. <i>Advanced Functional Materials</i> , 2012 , 22, 1033-1039	15.6	39
226	Quantum-dot-tagged reduced graphene oxide nanocomposites for bright fluorescence bioimaging and photothermal therapy monitored in situ. <i>Advanced Materials</i> , 2012 , 24, 1748-54	24	301
225	Tape Casting 2012 , 39-62		8
224	Powder Compaction by Dry Pressing 2012 , 1-37		4
223	Influence of surface charge and protein intermediary layer on the formation of biomimetic calcium phosphate on silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19562		9
222	Manufacturing Technology: Rapid Prototyping 2012 , 415-437		1
221	Nonconventional Polymers in Ceramic Processing: Thermoplastics and Monomers 2012 , 395-413		
220	Process Defects 2012 , 369-394		

219	Powder Characterization 2012 , 337-368		
218	MetalOrganic Chemical Vapor Deposition of Metal Oxide Films and Nanostructures 2012 , 291-336		3
217	Vapor-Phase Deposition of Oxides 2012 , 267-290		3
216	Machining and Finishing of Ceramics 2012 , 247-266		
215	Fundamentals and Methods of Ceramic Joining 2012 , 215-246		
214	Hot Pressing and Spark Plasma Sintering 2012 , 189-214		1
213	Hot Isostatic Pressing and Gas-Pressure Sintering 2012 , 171-187		1
212	Sintering 2012 , 141-169		2
211	Hydrothermal Routes to Advanced Ceramic Powders and Materials 2012 , 63-95		3
210	Liquid Feed-Flame Spray Pyrolysis (LF-FSP) in the Synthesis of Single- and Mixed-Metal Oxide Nanopowders 2012 , 97-120		1
209	Sintering of Nanograin Ceramics 2012 , 439-455		1
208	Polymer-Derived Ceramics 2012 , 457-500		8
207	High-Pressure Routes to Ceramics 2012 , 501-517		
206	SolGel Processing of Ceramics 2012 , 121-140		
205	Core-shell nanocapsules stabilized by single-component polymer and nanoparticles for magneto-chemotherapy/hyperthermia with multiple drugs. <i>Advanced Materials</i> , 2012 , 24, 3627-32	24	122
204	Ionomigration of Neutral Phases in Ionic Conductors. <i>Advanced Energy Materials</i> , 2012 , 2, 1383-1389	21.8	19
203	Dynamic-load-enabled ultra-low power multiple-state RRAM devices. <i>Scientific Reports</i> , 2012 , 2, 744	4.9	41
202	Modern Trends in Advanced Ceramics 2011 , 1-38		1

- 201 Structural Chemistry of Ceramics **2011**, 71-103
- 200 Structures of Ceramic Materials: Thermodynamics and Constitution **2011**, 183-229
- 199 Mesoscopic Ceramic Structures in One, Two, and Three Dimensions **2011**, 297-346 1
- 198 Glass Ceramics: Silica- and Alumina-Based **2011**, 375-406
- 197 Ceramic Thin Films **2011**, 443-509
- 196 Multiphase Fiber Composites **2011**, 511-582
- 195 Modeling Amorphous Ceramic Structures **2011**, 39-69
- 194 Diffusion in Ceramics **2011**, 105-182
- 193 Microstructural Design of Ceramics: Theory and Experiment **2011**, 231-295
- 192 Bulk Ceramic Nanostructures **2011**, 347-373
- 191 Cellular Structures **2011**, 407-441 1
- 190 Enhanced Grain Boundary Mobility in Yttria-Stabilized Cubic Zirconia under an Electric Current. *Journal of the American Ceramic Society*, **2011**, 94, 4231-4238 3.8 85
- 189 High Temperature Mechanical Properties of Dense AlN/SiC Ceramics Fabricated by Spark Plasma Sintering Without Sintering Additives. *Journal of the American Ceramic Society*, **2011**, 94, 4150-4153 3.8 11
- 188 A size-dependent nanoscale metal-insulator transition in random materials. *Nature Nanotechnology*, **2011**, 6, 237-41 28.7 59
- 187 Purely electronic switching with high uniformity, resistance tunability, and good retention in Pt-dispersed SiO₂ thin films for ReRAM. *Advanced Materials*, **2011**, 23, 3847-52 24 73
- 186 Dislocations in Ceramics **2010**, 379-436
- 185 Magnetic Properties of Transition-Metal Oxides: From Bulk to Nano **2010**, 791-833 2
- 184 Fracture Resistance of Ceramics **2010**, 601-631

183	Ferroelectric Properties 2010 , 729-790		1
182	Gallium Nitride and Oxonitrides 2010 , 91-130		0
181	The Mn+1 AXn Phases and their Properties 2010 , 299-347		31
180	Nitrides 2010 , 59-89		
179	Lipoprotein nanoplatform for targeted delivery of diagnostic and therapeutic agents. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 645, 227-39	3.6	23
178	Temperature-Sensitive Nanocapsules for Controlled Drug Release Caused by Magnetically Triggered Structural Disruption. <i>Advanced Functional Materials</i> , 2009 , 19, 616-623	15.6	108
177	Improved Thermoelectric Properties of Cu-Doped Quaternary Chalcogenides of Cu ₂ CdSnSe ₄ . <i>Advanced Materials</i> , 2009 , 21, 3808-3812	24	275
176	Potential characterization of collagen and bovine serum albumin modified silica nanoparticles: a comparative study. <i>Journal of Materials Science</i> , 2009 , 44, 1374-1380	4.3	10
175	Biomedical nanoparticle carriers with combined thermal and magnetic responses. <i>Nano Today</i> , 2009 , 4, 52-65	17.9	250
174	A wide-band-gap p-type thermoelectric material based on quaternary chalcogenides of Cu ₂ ZnSnQ ₄ (Q=S,Se). <i>Applied Physics Letters</i> , 2009 , 94, 202103	3.4	268
173	Local delivery of gene vectors from bare-metal stents by use of a biodegradable synthetic complex inhibits in-stent restenosis in rat carotid arteries. <i>Circulation</i> , 2008 , 117, 2096-103	16.7	60
172	Bulk dense fine-grain (1-x)BiScO ₃ -xPbTiO ₃ ceramics with high piezoelectric coefficient. <i>Applied Physics Letters</i> , 2008 , 93, 192913	3.4	52
171	Lipoprotein Nanoplatform for Targeted Delivery of Diagnostic and Therapeutic Agents. <i>Molecular Imaging</i> , 2008 , 7, 7290.2008.0012	3.7	20
170	Control of strain relaxation in tensile and compressive oxide thin films. <i>Acta Materialia</i> , 2008 , 56, 5312-5321		8
169	The effect of silica nanoparticle-modified surfaces on cell morphology, cytoskeletal organization and function. <i>Biomaterials</i> , 2008 , 29, 3836-46	15.6	152
168	Nanoscale Engineering of Biomaterial Surfaces. <i>Advanced Materials</i> , 2007 , 19, 553-557	24	64
167	Nucleation and growth mechanism of ferroelectric domain-wall motion. <i>Nature</i> , 2007 , 449, 881-4	50.4	280
166	Prevention of oxidative degradation of polyurethane by covalent attachment of di-tert-butylphenol residues. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 78, 653-61	5.4	17

165	A-site substitution of SrRuO ₃ using La, K and Pb. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 9215-9220	5
164	Strain relaxation in buried SrRuO ₃ layer in (Ca _{1-x} Sr _x)(Zr _{1-x} Ru _x)O ₃ /SrRuO ₃ /TiO ₃ system. <i>Applied Physics Letters</i> , 2006 , 89, 031905	3.4 7
163	Bisphosphonate-mediated gene vector delivery from the metal surfaces of stents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 159-64	11.5 85
162	Fracture Resistance and Contact Damage of TiN Particle Reinforced Si ₃ N ₄ Ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2006 , 114, 1049-1053	15
161	Two-Step Sintering of Ceramics with Constant Grain-Size, II: BaTiO ₃ and Ni _{0.5} Ti _{0.5} Ferrite. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 438-443	3.8 275
160	Two-Step Sintering of Ceramics with Constant Grain-Size, I. Y ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2006 , 89, 431-437	3.8 293
159	The Effect of Powder Mixing Procedures on SiAlON. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1110-1113	3.8 7
158	Elimination of Grain Boundary Glass in SiAlon by Adding Aluminium Nitride. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1065-1071	3.8 7
157	Machinable SiAlON/BN Composites. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 060428035142028???	3
156	Refractory SiAlON Containing La ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2006 , 89, 060623005134008-???	1
155	Effect of top electrode on resistance switching of (Pr, Ca)MnO ₃ thin films. <i>Thin Solid Films</i> , 2006 , 515, 2726-2729	2.2 29
154	Sintering of Nanoceramics 2006 ,	3
153	Atomistic Simulation of Ferroelectric Domain Walls 2005 , 2843-2847	
152	Pressureless Sintering of Si ₃ N ₄ Ceramic Using AlN and Rare-Earth Oxides. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1256-1262	3.8 31
151	Classical Superplasticity of SiAlON Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1341-1352	37
150	Texture Development, Microstructure Evolution, and Crystallization of Chemically Derived PZT Thin Films. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 97-105	3.8 139
149	Morphology of Silicon Nitride Grown from a Liquid Phase. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 2677-2686	3.8 16
148	Cholesterol-derivatized polyurethane: characterization and endothelial cell adhesion. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 72, 200-12	5.4 25

147	Dependence of Electrode on Switching Effect of Pr _{1-x} Ca _x MnO ₃ Thin Film. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1260-1261	1.4	13
146	Resistance Switching of Al/(Pr,Ca)MnO ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L525-L527		8
145	Optical evidence for transient photoinduced magnetization in La _{0.7} Ca _{0.3} MnO ₃ . <i>Physical Review B</i> , 2005 , 71,	3.3	20
144	Atomistic Simulation of Ferroelectric Domain Walls 2005 , 2843-2847		
143	Dynamic Kerr effect and the spectral weight transfer of the manganites. <i>Physical Review Letters</i> , 2004 , 93, 047402	7.4	29
142	Magnetic impurities in conducting oxides. I. (Sr _{1-x} La _x)(Ru _{1-x} Fe _x)O ₃ system. <i>Physical Review B</i> , 2004 , 70,	3.3	28
141	Magnetic impurities in conducting oxides. II. (Sr _{1-x} La _x)(Ru _{1-x} Co _x)O ₃ system. <i>Physical Review B</i> , 2004 , 70,	3.3	19
140	Solution Mechanisms for Dopant Oxides in Yttria. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1553-1559	3.8	5
139	Bimaterial Composites via Colloidal Rolling Techniques: I, Microstructure Evolution during Rolling. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3413-3421	3.8	14
138	Bimaterial Composites via Colloidal Rolling Techniques: II, Sintering Behavior and Thermal Stresses. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3422-3429	3.8	12
137	Bimaterial Composites via Colloidal Rolling Techniques: III, Mechanical Properties. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3430-3440	3.8	12
136	Model for Fatigue Crack Growth in Grain-Bridging Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3549-3560	3.8	5
135	Reply to Comment on Morphology of Silicon Nitride Grown from a Liquid Phase. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 677-678	3.8	1
134	Microstructure Control of In-Situ-Toughened SiAlON Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1819-1821	3.8	64
133	Synthesis of SiAlON Seed Crystals. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1651-1653	3.8	33
132	Paraffin-Based Process for Producing Layered Composites with Cellular Microstructures. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1013-1015	3.8	6
131	Effect of Seeding on the Microstructure and Mechanical Properties of SiAlON: I, Y-SiAlON. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1254-1259	3.8	30
130	Effect of Seeding on the Microstructure and Mechanical Properties of SiAlON: II, Ca-SiAlON. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1260-1267	3.8	27

129	Effect of Heating Schedule on the Microstructure and Fracture Toughness of β -SiAlON. Cause and Solution. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1882-1884	3.8	12
128	Liquid-Phase Growth of Small Crystals for Seeding β -SiAlON Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1040-1046	3.8	29
127	Dopant-dependent oxidation behavior of β -SiAlON ceramics. <i>Journal of Materials Science</i> , 2004 , 39, 4855-4860	4.6	19
126	Iron oxide nanoparticles as magnetic resonance contrast agent for tumor imaging via folate receptor-targeted delivery. <i>Academic Radiology</i> , 2004 , 11, 996-1004	4.3	221
125	Surface-modified silica colloid for diagnostic imaging. <i>Journal of Colloid and Interface Science</i> , 2003 , 258, 435-7	9.3	30
124	Accelerated precipitate coarsening due to a concomitant secondary phase transformation. <i>Acta Materialia</i> , 2003 , 51, 1691-1703	8.4	8
123	Effect of Seeding on the Microstructure and Mechanical Properties of β -SiAlON: III, Comparison of Modifying Cations. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1168-1175	3.8	41
122	Formation of β -Silicon Nitride Crystals from (Si,Al,Mg,Y)(O,N) Liquid: I, Phase, Composition, and Shape Evolutions. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1578-1585	3.8	23
121	Formation of β -Silicon Nitride Crystals from (Si,Al,Mg,Y)(O,N) Liquid: II, Population Dynamics and Coarsening Kinetics. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1586-1591	3.8	3
120	Development of Tough β -SiAlON. <i>Key Engineering Materials</i> , 2003 , 237, 65-78	0.4	14
119	Effect of Phase Stability on the Microstructure Development of β -SiAlON Ceramics. <i>Journal of Korean Powder Metallurgy Institute</i> , 2003 , 10, 118-122	0.1	
118	R-Curve Behavior of In Situ Toughened β -SiAlON Ceramics. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 884-886	3.8	27
117	Sintering dense nanocrystalline ceramics without final-stage grain growth. <i>Nature</i> , 2000 , 404, 168-71	50.4	1126
116	Crack Deflection in Composites with Very Thin Interlayers. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 3222-3224	3.8	4
115	Grain Boundary Kinetics in Oxide Ceramics with the Cubic Fluorite Crystal Structure and its Derivatives. <i>Journal of Materials Science</i> , 2000 , 8, 147-156		38
114	Kinetics of phase transformations in SiAlON ceramics: I. effects of cation size, composition and temperature. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 2325-2335	6	56
113	Kinetics of phase transformations in SiAlON Ceramics: II. Reaction Paths. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 2337-2348	6	46
112	Phase Relationships and Stability of β -SiAlON. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 1025-1036	10.3	66

111	Activation field and fatigue of (Pb, La)(Zr, Ti)O ₃ thin films. <i>Applied Physics Letters</i> , 1999 , 75, 4186-4188	3.4	28
110	Ferroelectric Thin Films of Bismuth-Containing Layered Perovskites: Part I, Bi ₄ Ti ₃ O ₁₂ . <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3253-3259	3.8	112
109	Ferroelectric Thin Films of Bismuth-Containing Layered Perovskites: Part II, PbBi ₂ Nb ₂ O ₉ . <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3260-3264	3.8	18
108	Ferroelectric Thin Films of Bismuth-Containing Layered Perovskites: Part III, SrBi ₂ Nb ₂ O ₉ and c-Oriented Bi ₄ Ti ₃ O ₁₂ Template. <i>Journal of the American Ceramic Society</i> , 1998 , 81, 3265-3269	3.8	13
107	Fatigue of Pb(Zr _{0.53} Ti _{0.47})O ₃ ferroelectric thin films. <i>Journal of Applied Physics</i> , 1998 , 83, 7789-7798	2.5	118
106	Model experiments on fatigue of Pb(Zr _{0.53} Ti _{0.47})O ₃ ferroelectric thin films. <i>Applied Physics Letters</i> , 1998 , 72, 1923-1925	3.4	45
105	A domain wall model for relaxor ferroelectrics. <i>Ferroelectrics</i> , 1998 , 206, 245-263	0.6	28
104	A Lorentz field theory for ferroelectric transitions in layered perovskites. <i>Ferroelectrics</i> , 1998 , 208-209, 237-256	0.6	1
103	Texture Development, Microstructure Evolution, and Crystallization of Chemically Derived PZT Thin Films 1998 , 81, 97		1
102	Ferroelectric Thin Films of Bi-Containing Layered Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 493, 261		3
101	Frequency Spectra of Fatigue of PZT and other Ferroelectric Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 493, 311		28
100	Sintering of Fine Oxide Powders: II, Sintering Mechanisms. <i>Journal of the American Ceramic Society</i> , 1997 , 80, 637-645	3.8	140
99	A tough SiAlON ceramic based on Si ₃ N ₄ with a whisker-like microstructure. <i>Nature</i> , 1997 , 389, 701-704	50.4	303
98	High temperature crack growth in silicon nitride under static and cyclic loading: Short-crack behavior and brittle-ductile transition. <i>Acta Materialia</i> , 1996 , 44, 2079-2092	8.4	14
97	Structural origin of relaxor perovskites. <i>Journal of Physics and Chemistry of Solids</i> , 1996 , 57, 1525-1536	3.9	82
96	Superplastic Alumina at Temperatures below 1300°C Using Charge-Compensating Dopants. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 233-238	3.8	36
95	Grain Growth in CeO ₂ : Dopant Effects, Defect Mechanism, and Solute Drag. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1793-1800	3.8	182
94	Grain Boundary Mobility in Y ₂ O ₃ : Defect Mechanism and Dopant Effects. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1801-1809	3.8	159

93	Sintering of Fine Oxide Powders: I, Microstructural Evolution. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 3129-3141	3.8	119
92	SiALON Composites Containing Rare-Earth Melilite and Neighboring Phases. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2081-2090	3.8	8
91	Rare-Earth Melilite Solid Solution and Its Phase Relations with Neighboring Phases. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 2091-2097	3.8	25
90	Fracture Mechanics of Fatigue of Structural Ceramics 1996 , 1-13		1
89	Reaction Densification of α -SiALON: I, Wetting Behavior and Acid-Base Reactions. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 545-552	3.8	47
88	Reaction Densification of α -SiALON: II, Densification Behavior. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 553-559	3.8	33
87	Cracking during Pyrolysis of Oxide Thin Films-Phenomenology, Mechanisms, and Mechanics. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 2929-2939	3.8	23
86	Effects of temperature, rate, and cyclic loading on the strength and toughness of monolithic ceramics. <i>Acta Metallurgica Et Materialia</i> , 1995 , 43, 1439-1446		18
85	Local atomic structure of $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ and related perovskites I. An xanes study of ionicity/covalency. <i>Ferroelectrics</i> , 1994 , 158, 229-234	0.6	4
84	Role of Defect Interaction in Boundary Mobility and Cation Diffusivity of CeO_2 . <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2289-2297	3.8	94
83	Temperature-Time Texture Transition of $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ Thin Films: I, Role of Pb-rich Intermediate Phases. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2332-2336	3.8	214
82	Temperature-Time Texture Transition of $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ Thin Films: II, Heat Treatment and Compositional Effects. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2337-2344	3.8	133
81	Superplastic Forming of SiALON Ceramics. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2575-2585	3.8	42
80	Mechanical and Environmental Factors in the Cyclic and Static Fatigue of Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1153-1161	3.8	49
79	Effect of Dopants on Zirconia Stabilization—An X-ray Absorption Study: II, Tetravalent Dopants. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1281-1288	3.8	184
78	Effect of Dopants on Zirconia Stabilization—An X-ray Absorption Study: III, Charge-Compensating Dopants. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1289-1295	3.8	130
77	Effect of Dopants on Zirconia Stabilization—An X-ray Absorption Study: I, Trivalent Dopants. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 118-128	3.8	464
76	Fatigue Crack Growth of Silicon Nitride at 1400°C: A Novel Fatigue-Induced Crack-Tip Bridging Phenomenon. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 137-142	3.8	33

75	Reaction Hot Pressing of α - and β -SiAlON Ceramics. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 165-171	3.8	72
74	Nucleation and Growth of β -SiAlON on β -Si ₃ N ₄ . <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1711-1718	3.8	63
73	Nucleation and Growth of β -SiAlON. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1719-1728	3.8	53
72	Plasticity-Induced Fatigue Damage in Ceria-Stabilized Tetragonal Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 2025-2035	3.8	21
71	Local atomic structures of Pb(Zn _{1/3} Nb _{2/3})O ₃ and related perovskites II. An exafs study of cation distortions. <i>Ferroelectrics</i> , 1994 , 158, 235-240	0.6	1
70	Phase transformations of oriented Pb(Zr _{1-x} Ti _x)O ₃ thin films from metallo-organic precursors. <i>Ferroelectrics</i> , 1994 , 152, 25-30	0.6	22
69	X-ray-absorption studies of zirconia polymorphs. I. Characteristic local structures. <i>Physical Review B</i> , 1993 , 48, 10063-10073	3.3	222
68	X-ray-absorption studies of zirconia polymorphs. II. Effect of Y ₂ O ₃ dopant on ZrO ₂ structure. <i>Physical Review B</i> , 1993 , 48, 10074-10081	3.3	185
67	X-ray-absorption studies of zirconia polymorphs. III. Static distortion and thermal distortion. <i>Physical Review B</i> , 1993 , 48, 10082-10089	3.3	52
66	Atomic Structure Studies of Zirconia Solid Solutions by EXAFS. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 307, 27		4
65	Mobility control of ceramic grain boundaries and interfaces. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993 , 166, 51-58	5.3	41
64	Reactive Cerium(IV) Oxide Powders by the Homogeneous Precipitation Method. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 1577-1583	3.8	315
63	A New SiC-Whisker-Reinforced Lithium Aluminosilicate Composite. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 2785-2789	3.8	7
62	The Influence of Microstructure on the Mechanical Behavior of Silicon Nitride Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 287, 147		17
61	Superplastic SiAlON: A Bird's Eye View of Silicon Nitride Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 287, 209		5
60	Control of Grain-Boundary Pinning in Al ₂ O ₃ /ZrO ₂ Composites with Ce ³⁺ /Ce ⁴⁺ Doping. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 822-829	3.8	26
59	Exaggerated Texture and Grain Growth in a Superplastic SiAlON. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2733-2741	3.8	97
58	Shear Thickening Creep in Superplastic Silicon Nitride. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1073-1079	3.8	77

57	Fabrication of Mullite Body Using Superplastic Transient Phase. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1085-1091	3.8	14
56	Cubic-to-Tetragonal (t') Transformation in Zirconia-Containing Systems. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1108-1116	3.8	87
55	Fatigue Deformation Mechanisms of Zirconia Ceramics. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1191-1204	3.8	31
54	In-Situ Alumina/Aluminate Platelet Composites. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 2610-2612	3.8	85
53	Hot Extrusion of Ceramics. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1846-1853	3.8	9
52	Solute Drag on Grain Boundary in Ionic Solids—the Space Charge Effect 1992 , 254-267		4
51	Fatigue of Yttria-Stabilized Zirconia: I, Fatigue Damage, Fracture Origins, and Lifetime Prediction. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 1197-1205	3.8	106
50	Fatigue of Yttria-Stabilized Zirconia: II, Crack Propagation, Fatigue Striations, and Short-Crack Behavior. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 1206-1216	3.8	91
49	X-ray Absorption Studies of Ceria with Trivalent Dopants. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 958-967	3.8	61
48	Model of Transformation Toughening in Brittle Materials. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2564-2572	3.8	53
47	Superplastic Alumina Ceramics with Grain Growth Inhibitors. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 842-845	3.8	54
46	Low-Temperature Sintering of Alumina with Liquid-Forming Additives. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2011-2013	3.8	62
45	Stress-Biased Anisotropic Microcracking in Zirconia Polycrystals. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1026-1033	3.8	18
44	Grain Size Control of Tetragonal Zirconia Polycrystals Using the Space Charge Concept. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3269-3277	3.8	205
43	Deformation and Grain Growth of Low-Temperature-Sintered High-Purity Alumina. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 3518-3521	3.8	88
42	Superplastic Bulging of Fine-Grained Zirconia. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 746-749	3.8	36
41	Computer Simulation of Final-Stage Sintering: I, Model Kinetics, and Microstructure. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 2857-2864	3.8	102
40	Computer Simulation of Final-Stage Sintering: II, Influence of Initial Pore Size. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 2865-2872	3.8	54

39	Development of Superplastic Structural Ceramics. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 2585-2609	3.8	447
38	Superplastic Flow of Two-Phase Ceramics Containing Rigid Inclusions Zirconia/Mullite Composites. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1555-1565	3.8	89
37	Aftereffects following Decay of ^{181}Hf . <i>Hyperfine Interactions</i> , 1990 , 60, 615-618	0.8	7
36	Martensitic growth in ZrO_2 An in situ, small particle, TEM study of a single-interface transformation. <i>Acta Metallurgica Et Materialia</i> , 1990 , 38, 1163-1174		36
35	Transformation Plasticity of CeO_2 -Stabilized Tetragonal Zirconia Polycrystals: I, Stress Assistance and Autocatalysis. <i>Journal of the American Ceramic Society</i> , 1988 , 71, 343-353	3.8	170
34	Domain Switching as a Toughening Mechanism in Tetragonal Zirconia. <i>Journal of the American Ceramic Society</i> , 1988 , 71, C-362-C-364	3.8	20
33	Manufacturing of High T_c Superconducting Ceramic Wires by Hot Extrusion. <i>CIRP Annals - Manufacturing Technology</i> , 1988 , 37, 259-261	4.9	1
32	Transformation Plasticity of CeO_2 -Stabilized Tetragonal Zirconia Polycrystals: II, Pseudoelasticity and Shape Memory Effect. <i>Journal of the American Ceramic Society</i> , 1988 , 71, 648-657	3.8	128
31	A stochastic theory of grain growth. <i>Acta Metallurgica</i> , 1987 , 35, 1723-1733		39
30	Structural behavior and superconductivity of $\text{YBa}_2\text{Cu}_3\text{O}_x$. <i>Solid State Communications</i> , 1987 , 63, 997-1001	1.6	43
29	Texture Development in $\text{YBa}_2\text{Cu}_3\text{O}_x$ by Hot Extrusion and Hot-Pressing. <i>Journal of the American Ceramic Society</i> , 1987 , 70, C-388-C-390	3.8	5
28	SUPERCONDUCTIVITY AND THE TAILORING OF LATTICE PARAMETERS OF THE COMPOUND $\text{YBa}_2\text{Cu}_3\text{O}_x$ *. <i>Advanced Ceramic Materials</i> , 1987 , 2, 457-470		30
27	Transformation Plasticity and Transformation Toughening in Mg-PSZ and Ce-TZP. <i>Materials Research Society Symposia Proceedings</i> , 1986 , 78, 75		18
26	Quasi-static intergranular brittle fracture at 0.5 μm : A non-equilibrium segregation mechanism of sulphur embrittlement in stress-relief cracking of low-alloy steels. <i>Acta Metallurgica</i> , 1986 , 34, 1335-1349		19
25	Implications of Transformation Plasticity in ZrO_2 -Containing Ceramics: I, Shear and Dilatation Effects. <i>Journal of the American Ceramic Society</i> , 1986 , 69, 181-189	3.8	178
24	Implications of Transformation Plasticity in ZrO_2 -Containing Ceramics: II, Elastic-Plastic Indentation. <i>Journal of the American Ceramic Society</i> , 1986 , 69, 189-194	3.8	30
23	Martensitic Nucleation in Small ZrO_2 Particles. <i>Materials Research Society Symposia Proceedings</i> , 1985 , 57, 149		
22	Theory and experiment of martensitic nucleation in ZrO_2 containing ceramics and ferrous alloys. <i>Acta Metallurgica</i> , 1985 , 33, 1827-1845		101

21	Statistics of martensitic nucleation. <i>Acta Metallurgica</i> , 1985 , 33, 1847-1859	78
20	Martensitic nucleation in ZrO ₂ . <i>Acta Metallurgica</i> , 1983 , 31, 1627-1638	91
19	Irradiation-induced segregation in multi-component alloys. <i>Journal of Nuclear Materials</i> , 1983 , 116, 249-259	6
18	Mechanisms of cavity growth in creep. <i>Scripta Metallurgica</i> , 1983 , 17, 17-22	31
17	Cavity growth on a sliding grain boundary. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1983 , 14, 2289-2293	23
16	Diffusive growth of grain-boundary cavities. <i>Acta Metallurgica</i> , 1981 , 29, 1759-1768	152
15	Creep cavitation in 304 stainless steel. <i>Acta Metallurgica</i> , 1981 , 29, 1321-1333	159
14	Grain boundary and interphase boundary sliding in power law creep. <i>Acta Metallurgica</i> , 1979 , 27, 749-754	50
13	Steady state power-law creep in heterogeneous alloys with coarse microstructures. <i>Acta Metallurgica</i> , 1979 , 27, 785-791	70
12	Defect Structure, Nonstoichiometry, and Nonstoichiometry Relaxation of Complex Oxides	437-478
11	Fracture of Ceramics	529-575
10	Thermal Conductivity	665-696
9	Interfaces and Microstructures in Materials	479-528
8	Creep Mechanisms in Commercial Grades of Silicon Nitride	577-599
7	Structure-Property Relations	349-378
6	Complex Oxynitrides	229-256
5	Ceramic Oxides	1-58
4	Superplasticity in Ceramics: Accommodation-Controlling Mechanisms Revisited	633-663

3	Electrical Conduction in Nanostructured Ceramics697-727	1
2	Silicon Carbide- and Boron Carbide-Based Hard Materials131-227	9
1	Perovskites257-297	2