

Brian Derby

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.

293
papers

13,076
citations

56
h-index

109
g-index

304
ext. papers

14,632
ext. citations

5.9
avg, IF

7.17
L-index

#	Paper	IF	Citations
293	Influence of twin boundaries and sample dimensions on the mechanical behavior of Ag nanowires. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 829, 142150	5.3	0
292	Atmospheric Pressure Catalytic Vapor Deposition of Graphene on Liquid In and Cu-In Alloy Substrates. <i>Catalysts</i> , 2021 , 11, 1318	4	0
291	Chemical Vapor Deposition of Graphene on Cu-Ni Alloys: The Impact of Carbon Solubility. <i>Coatings</i> , 2021 , 11, 892	2.9	0
290	Twist boundary defects in penta-twinned silver nanowires. <i>Microscopy and Microanalysis</i> , 2021 , 27, 2928-2930	2.9	0
289	Impact of polymorphism on mechanical properties of molecular crystals: a study of p-amino and p-nitro benzoic acid with nanoindentation. <i>CrystEngComm</i> , 2021 , 23, 2027-2033	3.3	4
288	Probing anisotropic mechanical behaviour in carbamazepine form III. <i>CrystEngComm</i> , 2021 , 23, 5826-5838	3.3	2
287	Brittle Behavior in Aspirin Crystals: Evidence of Spalling Fracture. <i>Crystal Growth and Design</i> , 2021 , 21, 1786-1790	3.5	2
286	Stability of Lines with Zero Receding Contact Angle Produced by Inkjet Printing at Small Drop Volume. <i>Langmuir</i> , 2021 , 37, 26-34	4	5
285	Atmospheric Pressure Catalytic Vapor Deposition of Graphene on Liquid Sn and Cu-Sn Alloy Substrates. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
284	Aberrant Differentiation of Human Pluripotent Stem Cell-Derived Kidney Precursor Cells inside Mouse Vascularized Bioreactors. <i>Nephron</i> , 2020 , 144, 509-524	3.3	1
283	Tiled Monolayer Films of 2D Molybdenum Disulfide Nanoflakes Assembled at Liquid/Liquid Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25125-25134	9.5	5
282	The systemic influence of chronic smoking on skin structure and mechanical function. <i>Journal of Pathology</i> , 2020 , 251, 420-428	9.4	6
281	Probing Ink-Powder Interactions during 3D Binder Jet Printing Using Time-Resolved X-ray Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34254-34264	9.5	12
280	Chemical vapour deposition of graphene on copper-nickel alloys: the simulation of a thermodynamic and kinetic approach. <i>Nanoscale</i> , 2020 , 12, 15283-15294	7.7	3
279	Oil-in-water separation with graphene-based nanocomposite membranes for produced water treatment. <i>Journal of Membrane Science</i> , 2020 , 603, 118007	9.6	76
278	Size effects on strength and plasticity of ferrite and austenite pillars in a duplex stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 793, 139883	5.3	5
277	Direct 3D printing of graphene using capillary suspensions. <i>Nanoscale</i> , 2020 , 12, 11440-11447	7.7	13

276	Water-based highly conductive graphene inks for fully printed humidity sensors. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 455304	3	12
275	Patterned, morphing composites via maskless photo-click lithography. <i>Soft Matter</i> , 2020 , 16, 1270-1278	3.6	2
274	The formation mechanism of hexagonal MoC defects in CVD graphene grown on liquid copper. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 2176-2180	3.6	7
273	Geometrical constraints on the bending deformation of Penta-twinned silver nanowires. <i>Acta Materialia</i> , 2020 , 185, 110-118	8.4	7
272	Acoustic Poration and Dynamic Healing of Mammalian Cell Membranes during Inkjet Printing. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 749-757	5.5	5
271	Isomechanical Groups in Molecular Crystals and Role of Aromatic Interactions. <i>Crystal Growth and Design</i> , 2020 , 20, 7516-7525	3.5	5
270	Nanoindentation of Molecular Crystals: Lessons Learned from Aspirin. <i>Crystal Growth and Design</i> , 2020 , 20, 5956-5966	3.5	16
269	High-Power Energy Storage from Carbon Electrodes Using Highly Acidic Electrolytes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20701-20711	3.8	1
268	Fluid/Fiber Interactions and the Conductivity of Inkjet Printed Ag on Textile Substrates. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45516-45524	9.5	5
267	Fabrication of microvascular constructs using high resolution electrohydrodynamic inkjet printing. <i>Biofabrication</i> , 2020 ,	10.5	11
266	Fatigue and the electrical resistance of silver nanowire networks. <i>Scripta Materialia</i> , 2020 , 181, 97-100	5.6	5
265	The size dependent strength of Fe, Nb and V micropillars at room and low temperature. <i>Materialia</i> , 2019 , 7, 100424	3.2	9
264	Synthetic 2-D lead tin sulfide nanosheets with tuneable optoelectronic properties from a potentially scalable reaction pathway. <i>Chemical Science</i> , 2019 , 10, 1035-1045	9.4	7
263	Experimental study of the parameters for stable drop-on-demand inkjet performance. <i>Physics of Fluids</i> , 2019 , 31, 032004	4.4	65
262	Screen-Printing of a Highly Conductive Graphene Ink for Flexible Printed Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32225-32234	9.5	86
261	Angiogenesis and tissue formation driven by an arteriovenous loop in the mouse. <i>Scientific Reports</i> , 2019 , 9, 10478	4.9	6
260	Supercapacitor Electrodes from the in Situ Reaction between Two-Dimensional Sheets of Black Phosphorus and Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10330-10338	9.5	38
259	Structural, Mechanical, Imaging and in Vitro Evaluation of the Combined Effect of Gd and Dy in the ZrO-SiO Binary System. <i>Inorganic Chemistry</i> , 2018 , 57, 4602-4612	5.1	6

258	Interdependence of Resistance and Optical Transmission in Conductive Nanowire Networks. <i>Advanced Theory and Simulations</i> , 2018 , 1, 1700011	3.5	9
257	Fully printed high performance humidity sensors based on two-dimensional materials. <i>Nanoscale</i> , 2018 , 10, 5599-5606	7.7	101
256	Black phosphorus with near-superhydrophobic properties and long-term stability in aqueous media. <i>Chemical Communications</i> , 2018 , 54, 3831-3834	5.8	22
255	A definition of bioinks and their distinction from biomaterial inks. <i>Biofabrication</i> , 2018 , 11, 013001	10.5	273
254	Biofabrication: A Guide to Technology and Terminology. <i>Trends in Biotechnology</i> , 2018 , 36, 384-402	15.1	309
253	Tetragonal to Cubic Transformation of SiO-Stabilized ZrO Polymorph through Dysprosium Substitutions. <i>Inorganic Chemistry</i> , 2017 , 56, 1273-1281	5.1	19
252	Inkjet printing ultra-large graphene oxide flakes. <i>2D Materials</i> , 2017 , 4, 021021	5.9	42
251	Stabilization of a t-ZrO polymorph in a glassy SiO matrix at elevated temperatures accomplished by ceria additions. <i>Dalton Transactions</i> , 2017 , 46, 6884-6893	4.3	15
250	Solution processing of two-dimensional black phosphorus. <i>Chemical Communications</i> , 2017 , 53, 1445-1458	5.8	55
249	Peptide hydrogel in vitro non-inflammatory potential. <i>Journal of Peptide Science</i> , 2017 , 23, 148-154	2.1	15
248	Two-Step Electrochemical Intercalation and Oxidation of Graphite for the Mass Production of Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17446-17456	16.4	135
247	Controlling Coffee Ring Formation during Drying of Inkjet Printed 2D Inks. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700944	4.6	49
246	Integrating Cell Sheets for Organ-on-a-chip Applications. <i>Procedia CIRP</i> , 2017 , 65, 127-130	1.8	0
245	Rising to the challenge: applying biofabrication approaches for better drug and chemical product development. <i>Biofabrication</i> , 2017 , 9, 033001	10.5	20
244	Implication of Free Fatty Acids in Thrombin Generation and Fibrinolysis in Vascular Inflammation in Zucker Rats and Evolution with Aging. <i>Frontiers in Physiology</i> , 2017 , 8, 949	4.6	5
243	Biomechanical Changes of Collagen Cross-Linking on Human Keratoconic Corneas Using Scanning Acoustic Microscopy. <i>Current Eye Research</i> , 2016 , 41, 609-15	2.9	5
242	Pristine Graphene Aerogels by Room-Temperature Freeze Gelation. <i>Advanced Materials</i> , 2016 , 28, 7993-8000	8.4	100
241	Biofabrication: reappraising the definition of an evolving field. <i>Biofabrication</i> , 2016 , 8, 013001	10.5	387

240	Microstructure Evolution and Hardness of an Ultra-High Strength Cu-Ni-Si Alloy During Thermo-mechanical Processing. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 2615-2625	1.6	8
239	A pilot study of scanning acoustic microscopy as a tool for measuring arterial stiffness in aortic biopsies. <i>Artery Research</i> , 2016 , 13, 1-5	2.2	11
238	Frequency-modulated atomic force microscopy localises viscoelastic remodelling in the ageing sheep aorta. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 64, 10-7	4.1	14
237	An ex vivo porcine skin model to evaluate pressure-reducing devices of different mechanical properties used for pressure ulcer prevention. <i>Wound Repair and Regeneration</i> , 2016 , 24, 1089-1096	3.6	8
236	High throughput cryopreservation of cells by rapid freezing of sub- μ droplets using inkjet printing--cryoprinting. <i>Lab on A Chip</i> , 2015 , 15, 3503-13	7.2	17
235	Mechanical properties of porous ceramic scaffolds: Influence of internal dimensions. <i>Ceramics International</i> , 2015 , 41, 8425-8432	5.1	140
234	Tin(II) Sulfide (SnS) Nanosheets by Liquid-Phase Exfoliation of Herzenbergite: IV-VI Main Group Two-Dimensional Atomic Crystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12689-96	16.4	187
233	Additive Manufacture of Ceramics Components by Inkjet Printing. <i>Engineering</i> , 2015 , 1, 113-123	9.7	123
232	Introduction: Aging and the Mechanical Properties of Tissues. <i>Engineering Materials and Processes</i> , 2015 , 1-6		2
231	Combining AFM and acoustic probes to reveal changes in the elastic stiffness tensor of living cells. <i>Biophysical Journal</i> , 2014 , 107, 1502-12	2.9	33
230	Localized micro- and nano-scale remodelling in the diabetic aorta. <i>Acta Biomaterialia</i> , 2014 , 10, 4843-4851	10.8	20
229	Influence of specimen thickness on the nanoindentation of hydrogels: measuring the mechanical properties of soft contact lenses. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 35, 144-56	4.1	25
228	Scanning acoustic microscopy of biological cryosections: the effect of local thickness on apparent acoustic wave speed. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1621, 143-148		
227	Inkjet printing biomaterials for tissue engineering: bioprinting. <i>International Materials Reviews</i> , 2014 , 59, 430-448	16.1	193
226	Wide-Area Strain Sensors based upon Graphene-Polymer Composite Coatings Probed by Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2014 , 24, 2865-2874	15.6	102
225	Biomechanical changes after repeated collagen cross-linking on human corneas assessed in vitro using scanning acoustic microscopy 2014 , 55, 1549-54		17
224	Growth differentiation factor 6 and transforming growth factor-beta differentially mediate mesenchymal stem cell differentiation, composition, and micromechanical properties of nucleus pulposus constructs. <i>Arthritis Research and Therapy</i> , 2014 , 16, R67	5.7	92
223	Inkjet Printing Graphene-Based Transparent Conductive Films. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1699, 36		1

222	Vinculin regulates the recruitment and release of core focal adhesion proteins in a force-dependent manner. <i>Current Biology</i> , 2013 , 23, 271-81	6.3	258
221	Influence of gas phase equilibria on the chemical vapor deposition of graphene. <i>ACS Nano</i> , 2013 , 7, 3104-16	16.7	49
220	Scanning acoustic microscopy for mapping the microelastic properties of human corneal tissue. <i>Current Eye Research</i> , 2013 , 38, 437-44	2.9	21
219	Current concepts and advances in the application of tissue engineering in otorhinolaryngology and head and neck surgery. <i>Journal of Laryngology and Otology</i> , 2013 , 127, 114-20	1.8	5
218	Biomechanical properties of human corneas following low- and high-intensity collagen cross-linking determined with scanning acoustic microscopy 2013 , 54, 5273-80		46
217	Printing and prototyping of tissues and scaffolds. <i>Science</i> , 2012 , 338, 921-6	33.3	816
216	Formation of coffee stains on porous surfaces. <i>Langmuir</i> , 2012 , 28, 5331-8	4	53
215	Inkjet printed carbon nanotube networks: the influence of drop spacing and drying on electrical properties. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 315304	3	19
214	Gel-cast glass-ceramic tissue scaffolds of controlled architecture produced via stereolithography of moulds. <i>Biofabrication</i> , 2012 , 4, 045002	10.5	21
213	Multi-layer phase analysis: quantifying the elastic properties of soft tissues and live cells with ultra-high-frequency scanning acoustic microscopy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012 , 59, 610-20	3.2	21
212	Continuous Deposition of a Liquid Thread onto a Moving Substrate. Numerical Analysis and Comparison With Experiments. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2012 , 134,	2.1	10
211	Ink-Jet Printing of Zirconia: Coffee Staining and Line Stability. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3787-3792	3.8	53
210	Inkjet printing ceramics: From drops to solid. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 2543-2550	10	226
209	Localised micro-mechanical stiffening in the ageing aorta. <i>Mechanisms of Ageing and Development</i> , 2011 , 132, 459-67	5.6	39
208	The mechanical properties of float glass surfaces measured by nanoindentation and acoustic microscopy. <i>Acta Materialia</i> , 2011 , 59, 1790-1799	8.4	22
207	Characterizing the elastic properties of tissues. <i>Materials Today</i> , 2011 , 14, 96-105	21.8	184
206	Photopolymerization of Pluronic F127 diacrylate: a colloid-templated polymerization. <i>Soft Matter</i> , 2011 , 7, 4928	3.6	29
205	Inkjet printing and cell seeding thermoreversible photocurable gel structures. <i>Soft Matter</i> , 2011 , 7, 2639-36	3.6	58

204	Deformation mechanisms in gold nanowires and nanoporous gold. <i>Philosophical Magazine</i> , 2011 , 91, 1070-1083	1.6	46
203	Quantifying Micro-mechanical Properties of Soft Biological Tissues with Scanning Acoustic Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1301, 181		4
202	Strain gradients and the strength of nanoporous gold. <i>Journal of Materials Research</i> , 2010 , 25, 746-753	2.5	14
201	The Effect of Type 1 Diabetes on the Structure and Function of Fibrillin Microfibrils. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1274, 1		4
200	Formation and stability of lines produced by inkjet printing. <i>Langmuir</i> , 2010 , 26, 10365-72	4	181
199	Inkjet Printing of Functional and Structural Materials: Fluid Property Requirements, Feature Stability, and Resolution. <i>Annual Review of Materials Research</i> , 2010 , 40, 395-414	12.8	1119
198	Inkjet Printing of Catalyst-Inks on Si Wafers and the Subsequent Synthesis of Carbon Nanotubes by Chemical Vapour Deposition. <i>Key Engineering Materials</i> , 2010 , 442, 7-14	0.4	4
197	Inkjet delivery of glucose oxidase. <i>Chemical Communications</i> , 2010 , 46, 5452-4	5.8	25
196	Pyrolysis of aluminium loaded polymethylsiloxanes: the influence of Al/PMS ratio on mullite formation. <i>Journal of Materials Science</i> , 2010 , 45, 233-241	4.3	4
195	High-strength nanoporous silver produced by inkjet printing. <i>Scripta Materialia</i> , 2010 , 63, 308-311	5.6	33
194	Piezoelectric Inkjet Printing of Cells and Biomaterials 2010 , 35-50		2
193	Low Curing Temperature Silver Tracks from Soluble Inks. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1192, 21		
192	Inkjet printing of Enzymes for Glucose Biosensors. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1191, 86		1
191	Novel Gelation System For Fabricating 3-D Structures via Ink Jet Printing. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1239, 1		
190	The Micromechanisms of Deformation in Nanoporous Gold. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1224, 1		
189	Nanoindentation of histological specimens: Mapping the elastic properties of soft tissues. <i>Journal of Materials Research</i> , 2009 , 24, 638-646	2.5	67
188	A universal scaling law for the strength of metal micropillars and nanowires. <i>Scripta Materialia</i> , 2009 , 61, 524-527	5.6	112
187	Diversity of funding sources and topics is key to survival. <i>Nature</i> , 2009 , 458, 281	50.4	1

186	Limits to feature size and resolution in ink jet printing. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 913-918	6	134
185	Inkjet Printing Glucose Oxidase for Biosensor Applications. <i>ECS Transactions</i> , 2009 , 16, 15-20	1	4
184	Universal Scaled Strength Behaviour for Micropillars and Nanoporous Materials. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1185, 79		1
183	Conical tungsten stamps for the replication of pore arrays in anodic aluminium oxide films. <i>Nanotechnology</i> , 2009 , 20, 245304	3.4	6
182	Fabrication of a Glucose Biosensor by Piezoelectric Inkjet Printing 2009 ,		10
181	Mapping the Micromechanical Properties of Cryo-sectioned Aortic Tissue with Scanning Acoustic Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1132E, ukpmcpa27262		9
180	Duplication and plagiarism increasing among students. <i>Nature</i> , 2008 , 452, 29	50.4	8
179	The strength of gold nanowire forests. <i>Scripta Materialia</i> , 2008 , 59, 151-154	5.6	53
178	Bioprinting: inkjet printing proteins and hybrid cell-containing materials and structures. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5717		242
177	Manufacture of 3-dimensional objects by reactive inkjet printing. <i>Soft Matter</i> , 2008 , 4, 2513	3.6	16
176	The Growth and Mechanical Properties of Gold Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1086, 1		1
175	The Strength of Gold Nanowires and Nanoporous Gold. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1144, 1		1
174	Nanoindentation of Histological Specimens using an Extension of the Oliver and Pharr Method. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1097, 1		2
173	Delivery of human fibroblast cells by piezoelectric drop-on-demand inkjet printing. <i>Biomaterials</i> , 2008 , 29, 193-203	15.6	374
172	Residual stress distributions around indentations and scratches in polycrystalline Al ₂ O ₃ and Al ₂ O ₃ /SiC nanocomposites measured using fluorescence probes. <i>Acta Materialia</i> , 2008 , 56, 140-149	8.4	35
171	Correlations for single-crystal elastic constants of compound semiconductors and their representation in isomechanical groups. <i>Physical Review B</i> , 2007 , 76,	3.3	18
170	The effect of focused ion beam machining on residual stress and crack morphologies in alumina. <i>Journal of Physics: Conference Series</i> , 2006 , 26, 219-222	0.3	13
169	Review: bioprinting: a beginning. <i>Tissue Engineering</i> , 2006 , 12, 631-4		239

168	Mullite formation from the pyrolysis of aluminium-loaded polymethylsiloxanes: The influence of aluminium powder characteristics. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 1107-1119	6	10
167	Direct ink-jet printing and low temperature conversion of conductive silver patterns. <i>Journal of Materials Science</i> , 2006 , 41, 4153-4158	4.3	218
166	Oscillatory Incompressible Fluid Flow in a Tapered Tube With a Free Surface in an Inkjet Print Head. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2005 , 127, 98-109	2.1	17
165	Ink-jet delivery of particle suspensions by piezoelectric droplet ejectors. <i>Journal of Applied Physics</i> , 2005 , 97, 094903	2.5	225
164	Alumina/Silicon Carbide Nanocomposites by Hybrid Polymer/Powder Processing: Microstructures and Mechanical Properties. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 41-48	3.8	65
163	Perspectives on the European Patent System. <i>Journal of World Intellectual Property</i> , 2005 , 1, 949-962	0.7	
162	Viscosity and Acoustic Behavior of Ceramic Suspensions Optimized for Phase-Change Ink-Jet Printing. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 802-808	3.8	40
161	Ink-Jet Printing and Sintering of PZT. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2053-2058	3.8	82
160	Intermediate Phases in Mullite Synthesis Via Aluminum- and Alumina-Filled Polymethylsiloxane. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2085-2091	3.8	15
159	A Low Curing Temperature Silver Ink for Use in Ink-Jet Printing and Subsequent Production of Conductive Tracks. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 315-318	4.8	260
158	Ink-Jet Printing of Wax-Based PZT Suspensions. <i>Key Engineering Materials</i> , 2004 , 264-268, 697-700	0.4	
157	Ink Jet printing of mammalian primary cells for tissue engineering applications. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 845, 71		2
156	Droplet Behaviour in Inkjet Printing. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 860, 13		1
155	Hot-Isostatic-Press Joining of Cemented Carbides. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 3616-3618	3.8	0
154	In Situ Characterization of Interfaces between Liquid Tin/Vanadium Alloys and Alumina by Neutron Reflection Spectroscopy. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 279-285	3.8	8
153	Characterisation of Interfaces Between Liquid Tin and Alumina in the Presence of Titanium Alloy Additions. <i>Journal of Materials Science</i> , 2004 , 12, 29-37		5
152	Preparation of PZT suspensions for direct ink jet printing. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1069-1072	6	31
151	Modelling of R-curve behaviour in ceramic/metal laminates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 365, 196-201	5.3	4

150	Numerical and experimental comparisons of mass transport rate in a piezoelectric drop-on-demand inkjet print head. <i>International Journal of Mechanical Sciences</i> , 2004 , 46, 181-199	5.5	30
149	Thermal stress induced microcracking in alumina/20% SiCp composites. <i>Acta Materialia</i> , 2004 , 52, 1621-1629	5.6	38
148	Measured Anisotropy of Alumina Components Produced by Direct Ink-Jet Printing. <i>Key Engineering Materials</i> , 2004 , 264-268, 693-696	0.4	11
147	Characterisation of void and reinforcement distributions in a metal matrix composite by X-ray edge-contrast microtomography. <i>Scripta Materialia</i> , 2003 , 48, 1259-1264	5.6	9
146	Novel collagen scaffolds with predefined internal morphology made by solid freeform fabrication. <i>Biomaterials</i> , 2003 , 24, 1487-97	15.6	292
145	Multilayer nitride coatings by closed field unbalanced magnetron sputter ion plating. <i>Surface and Coatings Technology</i> , 2003 , 162, 276-287	4.4	18
144	Yttrium Silicate Powders Produced by the Sol-Gel Method, Structural and Thermal Characterization. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1595-1597	3.8	27
143	Inkjet Printing of Highly Loaded Particulate Suspensions. <i>MRS Bulletin</i> , 2003 , 28, 815-818	3.2	209
142	Oscillatory limited compressible fluid flow induced by the radial motion of a thick-walled piezoelectric tube. <i>Journal of the Acoustical Society of America</i> , 2003 , 114, 1314-21	2.2	23
141	Freeform fabrication by controlled droplet deposition of powder filled melts. <i>Journal of Materials Science</i> , 2002 , 37, 3155-3161	4.3	60
140	Materials opportunities in layered manufacturing technology. <i>Journal of Materials Science</i> , 2002 , 37, 3091-3092	4.3	3
139	Manufacture of biomaterials by a novel printing process. <i>Journal of Materials Science: Materials in Medicine</i> , 2002 , 13, 1163-6	4.5	50
138	Characterisation of Collagen Scaffolds using X-ray Microtomography. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 758, 521		
137	Thermal and Residual Stress Modelling of the Selective Laser Sintering Process. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 758, 181		7
136	Development of PZT Suspensions for Ceramic Ink-Jet Printing. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 758, 371		1
135	A Process to Make Collagen Scaffolds with an Artificial Circulatory System using Rapid Prototyping. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 758, 531		2
134	Residual stress and subsurface damage in machined alumina and alumina/silicon carbide nanocomposite ceramics. <i>Acta Materialia</i> , 2001 , 49, 507-517	8.4	56
133	Ink-Jet Printing of Wax-Based Alumina Suspensions. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 2514-2520	3.8	179

132	Rapid Prototyping of Ceramic Casting Cores for Investment Casting. <i>Key Engineering Materials</i> , 2001 , 206-213, 297-300	0.4	5
131	Accurate determination of Young's modulus and Poisson's ratio of thin films by a combination of acoustic microscopy and nanoindentation. <i>Thin Solid Films</i> , 2001 , 398-399, 299-305	2.2	58
130	Analysis of Drop-On-Demand Ink Jet Print Head for Rapid Prototyping. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 698, 451		
129	Direct Ink Jet Printing of Alumina Components. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 698, 441		1
128	Accurate Determination of the Elastic properties of Near Surface Regions and Thin Films Using Nanoindentation and Acoustic Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 695, 1		
127	Ink Jet Deposition of Ceramic Suspensions: Modeling and Experiments of Droplet Formation. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 625, 117		132
126	Freeform Fabrication of Ceramics by Hot-Melt Ink-Jet Printing. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 625, 195		12
125	Matrix flow and densification during the consolidation of matrix coated fibres. <i>Acta Materialia</i> , 2000 , 48, 1247-1258	8.4	27
124	The Internet Microscope. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 632, 1		
123	Ink Jet Deposition of Ceramic Suspensions: Modeling and Experiments of Droplet Formation. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 624, 65		54
122	Mechanical properties of pressureless sintered alumina containing alumina platelets. <i>Advances in Applied Ceramics</i> , 1999 , 98, 72-76		2
121	High-temperature neutron reflectometry of liquid metal-ceramic interfaces. <i>Journal Physics D: Applied Physics</i> , 1999 , 32, 2319-2326	3	4
120	Fracture of metal/ceramic laminates II Transition from single to multiple cracking. <i>Acta Materialia</i> , 1999 , 47, 529-543	8.4	60
119	Fracture of metal/ceramic laminates II. Crack growth resistance and toughness. <i>Acta Materialia</i> , 1999 , 47, 545-563	8.4	60
118	Fabrication of reaction-bonded Cr ₂ O ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 1651-1664	8	8
117	Sintering of Cr ₂ O ₃ in H ₂ /H ₂ O Gas Mixtures. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 399-405	6	8
116	Ink Jet Printing of PZT Aqueous Ceramic Suspensions. <i>Journal of Materials Science Letters</i> , 1999 , 18, 87-90		54
115	Residual Stress Determination and Subsurface Microstructure in Ground and Polished Alumina/Silicon Carbide Nanocomposites and Monolithic Alumina Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 581, 303		5

114	Crack Healing in an Alumina/Silicon Carbide Nanocomposite After Grinding and Annealing. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 581, 327		3
113	Stiffness of particulate reinforced metal matrix composites with damaged reinforcements. <i>Materials Science and Technology</i> , 1999 , 15, 827-832	1.5	15
112	Processing and microstructural characterisation of RBSiC-TaSi ₂ composites. <i>Journal of Materials Science</i> , 1998 , 33, 5557-5568	4.3	9
111	A finite element model for consolidation of vacuum plasma spray-formed metal matrix composites. <i>Acta Materialia</i> , 1998 , 46, 4339-4350	8.4	9
110	Stabilisation of TiB _x -Coated SiC Fibres by Nitridation. <i>Scripta Materialia</i> , 1998 , 38, 1629-1634	5.6	4
109	Neutron reflection studies of titanium segregation to metal/ceramic interfaces. <i>Physica B: Condensed Matter</i> , 1998 , 248, 304-309	2.8	8
108	High temperature neutron reflection spectroscopy of liquid metal/ceramic interfaces. <i>Physica B: Condensed Matter</i> , 1998 , 248, 316-321	2.8	5
107	Wetting of silicon carbide by chromium containing alloys. <i>Acta Materialia</i> , 1998 , 46, 3491-3499	8.4	30
106	The strength of Al ₂ O ₃ /SiC nanocomposites after grinding and annealing. <i>Acta Materialia</i> , 1998 , 46, 3839-3848	8.4	79
105	Characterisation of liquid metal/solid ceramic interfaces by neutron reflection. <i>Acta Materialia</i> , 1998 , 46, 2387-2392	8.4	6
104	Ceramic nanocomposites: mechanical properties. <i>Current Opinion in Solid State and Materials Science</i> , 1998 , 3, 490-495	12	29
103	Direct Inkjet Deposition of Ceramic Green Bodies: II - Jet Behaviour and Deposit Formation. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 542, 147		13
102	Direct Ink-Jet Deposition of Ceramic Green Bodies: I - Formulation of Build Materials. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 542, 141		8
101	Diffusion bonded Mokume-Gane decorative metal laminates. <i>Materials Science and Technology</i> , 1998 , 14, 510-517	1.5	3
100	Model for consolidation of Ti-6Al-4V/SiC fibre composite from plasma sprayed monotape. <i>Materials Science and Technology</i> , 1998 , 14, 933-938	1.5	1
99	Characterization of Alumina/Silicon Carbide Ceramic Nanocomposites 1998 , 551-558		
98	Model for consolidation of Ti-6Al-4V/SiC fibre composite from plasma sprayed monotape. <i>Materials Science and Technology</i> , 1998 , 14, 933-938	1.5	1
97	Grain growth and texture changes in a Ni foil during diffusion bonding to ZrO ₂ . <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1997 , 76, 289-305		4

96	Texture change in Ni and Cu foils on diffusion bonding to zirconia. <i>Scripta Materialia</i> , 1997 , 36, 1-6	5.6	8
95	Creep behaviour of a SiC particulate reinforced Al-2618 metal matrix composite. <i>Acta Materialia</i> , 1997 , 45, 41-49	8.4	17
94	Acoustic emission from a SiC reinforced Al-2618 metal matrix composite during straining. <i>Scripta Materialia</i> , 1997 , 37, 1045-1052	5.6	4
93	The characterization of metal/ceramic interfaces using specular neutron reflection. <i>Acta Materialia</i> , 1997 , 45, 273-279	8.4	7
92	Surface mechanical properties of alumina matrix nanocomposites. <i>Acta Materialia</i> , 1997 , 45, 3963-3973	8.4	54
91	Wetting of titanium nitride and titanium carbide by liquid metals. <i>Acta Materialia</i> , 1996 , 44, 307-314	8.4	109
90	Silicon carbide particle size effects in alumina-based nanocomposites. <i>Acta Materialia</i> , 1996 , 44, 4543-4552	8.4	104
89	Characterization of microstructural damage during plastic strain of a particulate-reinforced metal matrix composite at elevated temperature. <i>Journal of Materials Science</i> , 1996 , 31, 297-303	4.3	17
88	The formation of TiC/Al ₂ O ₃ microstructures by a self-propagating high-temperature synthesis reaction. <i>Journal of Materials Science</i> , 1996 , 31, 3791-3803	4.3	33
87	Modelling Consolidation of Ti-6Al-4V / SiC Matrix-Coated Fibre Metal Matrix Composites. <i>Key Engineering Materials</i> , 1996 , 127-131, 351-358	0.4	6
86	Damage Nucleation and Growth in Particle Reinforced Aluminium Matrix Composites. <i>Key Engineering Materials</i> , 1996 , 127-131, 945-952	0.4	5
85	Faceted Voids and Grain Orientation at Solid State Diffusion Bonded Interfaces between Cu and Single Crystal Cubic ZrO ₂ . <i>Materials Science Forum</i> , 1996 , 207-209, 253-256	0.4	
84	The wetting of silicon nitride by chromium-containing alloys. <i>Journal of Materials Science</i> , 1995 , 30, 5915-5922	4.9	11
83	Liquid phase bonding of siliconized silicon carbide. <i>Journal of Materials Science</i> , 1995 , 30, 6119-6135	4.3	3
82	Analysis of neutron diffraction peak broadening caused by internal stresses in composite materials. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995 , 354, 139-144	1.2	5
81	The deformation characteristics of SiC particulate-reinforced aluminium alloy 6061. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995 , 197, 11-18	5.3	14
80	Solid-state fabrication and interfaces of fibre reinforced metal matrix composites. <i>Progress in Materials Science</i> , 1995 , 39, 411-495	42.2	71
79	Effect of TiB ₂ , TiC and TiN protective coatings on tensile strength and fracture behaviour of SiC monofilament fibres. <i>Composites</i> , 1995 , 26, 531-539		24

78	Wetting behaviour in the Al-Si/SiC system: interface reactions and solubility effects. <i>Acta Metallurgica Et Materialia</i> , 1995 , 43, 3061-3073		112
77	Finite-difference modelling of self-propagating high-temperature synthesis of materials. <i>Acta Metallurgica Et Materialia</i> , 1995 , 43, 3903-3913		18
76	Development of a micro-droplet technique for wettability studies: Application to the Al-Si/SiC system. <i>Scripta Metallurgica Et Materialia</i> , 1995 , 33, 837-842		5
75	Microstructure and fracture behaviour of particle-reinforced metal matrix composites. <i>Journal of Microscopy</i> , 1995 , 177, 357-368	1.9	6
74	X-ray microtomographic studies of metal matrix composites using laboratory X-ray sources. <i>Journal of Microscopy</i> , 1995 , 177, 399-406	1.9	22
73	The CVD of Ceramic Protective Coatings on SiC Monofilaments for Use in Titanium Based Composites. <i>Materials and Manufacturing Processes</i> , 1994 , 9, 885-900	4.1	2
72	In Situ HREM Observation of the Oxidation of Nickel Thin Foils. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 357, 225		
71	Differential thermal analysis of ignition temperatures in a self-propagating high-temperature synthesis reaction. <i>Journal of Thermal Analysis</i> , 1994 , 42, 713-719		8
70	In situ scanning electron microscope studies of fracture in particulate-reinforced metal-matrix composites. <i>Journal of Materials Science</i> , 1994 , 29, 5615-5624	4.3	19
69	Evaluation of the efficiency of TiB ₂ and TiC as protective coatings for SiC monofilament in titanium-based composites. <i>Journal of Materials Science</i> , 1994 , 29, 3774-3780	4.3	31
68	Characterization of glass-ceramic to metal bonds. <i>Journal of Materials Science</i> , 1994 , 29, 4436-4446	4.3	4
67	Uniaxial creep of long fibre reinforced metal matrix composites. <i>Composites Part B: Engineering</i> , 1994 , 4, 1241-1255		7
66	Alumina/Aluminum Composites Formed by the Directed Oxidation of Aluminum Using Magnesia as a Surface Dopant. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1761-1770	3.8	21
65	Alumina/Aluminum Composites Formed by the Directed Oxidation of Aluminum Using Sodium Hydroxide as a Surface Dopant. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 1771-1776	3.8	16
64	An analysis of thermal residual stresses in Ti-6-4 alloy reinforced with SiC and Al ₂ O ₃ fibres. <i>Acta Metallurgica Et Materialia</i> , 1994 , 42, 1525-1534		45
63	Theoretical model for solid-state consolidation of long-fibre reinforced metal-matrix composites. <i>Acta Metallurgica Et Materialia</i> , 1994 , 42, 461-473		17
62	The effect of temporary hydrogenation on the processing and interface of titanium composites. <i>Composites</i> , 1994 , 25, 881-886		10
61	Interface microstructures in Ti-based composites using TiB ₂ /C-coated and uncoated SiCf after short-term thermal exposure. <i>Composites</i> , 1994 , 25, 887-890		16

60	Analysis of interfacial defects in solid-state consolidated composites. <i>Composites</i> , 1994 , 25, 563-569		5
59	Chemistry effects on interface microstructure and reaction in titanium-based composites. <i>Composites</i> , 1994 , 25, 630-636		10
58	Interfaces in Ti3Al composites reinforced with sigma SiC fibres. <i>Scripta Metallurgica Et Materialia</i> , 1994 , 30, 89-94		16
57	Nanomechanical Response of Materials and Thin Film Systems: Finite Element Simulation. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 356, 681		2
56	Acoustic emission from particulate-reinforced metal matrix composites. <i>Acta Metallurgica Et Materialia</i> , 1993 , 41, 1431-1445		103
55	Fibre uniformity and cavitation during the consolidation of metal-matrix composite via fibre-mat and matrix-foil diffusion bonding. <i>Acta Metallurgica Et Materialia</i> , 1993 , 41, 3257-3266		12
54	Damage assessment in particle-reinforced metal matrix composites using x-ray microtomography. <i>Scripta Metallurgica Et Materialia</i> , 1993 , 29, 1457-1462		23
53	Microstructural characterization in diffusion-bonded SiC/TiB ₂ /Al ₃ V composites. <i>Journal of Microscopy</i> , 1993 , 169, 269-277	1.9	18
52	Comparison of interfaces in Ti composites reinforced with uncoated and TiB ₂ /C-coated SiC fibres. <i>Journal of Microscopy</i> , 1993 , 169, 279-287	1.9	28
51	The compatibility of TiB ₂ protective coatings with SiC fibre and Ti-6Al-4V. <i>Journal of Microscopy</i> , 1993 , 169, 289-295	1.9	15
50	Creep and Thermal Cycling 1993 , 191-214		20
49	Fracture Behavior 1993 , 251-268		5
48	Al ₂ O ₃ /Al composites formed by the directed oxidation of an Al-Mg-Zn alloy. <i>Journal of the European Ceramic Society</i> , 1993 , 12, 185-195	6	3
47	Adhesion testing of glass-ceramic thick films on metal substrates. <i>Journal of Materials Science</i> , 1993 , 28, 2989-2998	4.3	19
46	Diffusion bonding of a nickel (chromium) alloy to zirconia: Mechanical properties and interface microstructures. <i>Journal of Materials Science</i> , 1993 , 28, 4366-4374	4.3	20
45	Diffusion Bonds between a Stainless Steel and Zirconia. <i>Journal of the American Ceramic Society</i> , 1993 , 76, 232-234	3.8	6
44	Microstructure and fracture behaviour of SiCp/Al-2618 metal matrix composite. <i>European Physical Journal Special Topics</i> , 1993 , 03, C7-1861-C7-1866		2
43	Diffusion bonding of nickel and zirconia: Mechanical properties and interfacial microstructures. <i>Journal of Materials Research</i> , 1992 , 7, 1480-1488	2.5	23

42	Metal-ceramic interfaces: Sources and sinks for mass transfer. <i>Acta Metallurgica Et Materialia</i> , 1992 , 40, S53-S58		7
41	Dynamic recrystallisation: The steady state grain size. <i>Scripta Metallurgica Et Materialia</i> , 1992 , 27, 1581-1585		67
40	Palladium-zirconia diffusion bonds: Mechanical properties and interface reactions. <i>Acta Metallurgica Et Materialia</i> , 1992 , 40, 925-938		13
39	In Situ Measurement of the Elastic Moduli of Glass-Ceramic Thick Films. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 1284-1286	3.8	3
38	Acoustic Emissions During Indentation Tests. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 239, 361		18
37	The CVD of Ceramic Protective Coatings on SiC Monofilaments. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 250, 257		2
36	The behaviour of metal matrix composites during temperature cycling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991 , 135, 213-216	5.3	11
35	The influence of microstructure on the fracture behaviour of particulate metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991 , 135, 221-224	5.3	85
34	TEM study of silicon carbide whisker microstructures. <i>Journal of Materials Science</i> , 1991 , 26, 6207-6217	4.3	28
33	The dependence of grain size on stress during dynamic recrystallisation. <i>Acta Metallurgica Et Materialia</i> , 1991 , 39, 955-962		307
32	The influence of microstructure on internal stress superplasticity in polycrystalline zinc. <i>Scripta Metallurgica Et Materialia</i> , 1991 , 25, 467-472		13
31	Interfaces in Metal/Ceramic Diffusion Bonds 1991 , 224-231		3
30	THE INFLUENCE OF MAGNESIUM SEGREGATION ON THE FRACTURE OF SILICON CARBIDE PARTICLE-REINFORCED ALUMINIUM METAL MATRIX COMPOSITES 1991 , 175-178		2
29	Compressive Stresses, Buckling And Spalling Of Tungsten Lpd Films. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 188, 251		
28	The Mechanism of Internal Stress Superplasticity. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 196, 115		1
27	Iosipescu in-plane shear tests of SiC-Pyrex composites. <i>Journal of Materials Science Letters</i> , 1990 , 9, 63-66		2
26	The deformation of particle reinforced metal matrix composites during temperature cycling. <i>Acta Metallurgica Et Materialia</i> , 1990 , 38, 2537-2552		69
25	Dynamic recrystallization and grain size 1990 , 354-364		17

24	THE FORMATION OF METAL/CERAMIC INTERFACES BY DIFFUSION BONDING 1990 , 161-167		
23	The role of enhanced matrix dislocation density in strengthening metal matrix composites. <i>Scripta Metallurgica</i> , 1988 , 22, 529-532		40
22	Strain rate dependence of failure in 2124 Al/SiC whisker composite. <i>Scripta Metallurgica</i> , 1988 , 22, 601-606		28
21	On dynamic recrystallisation. <i>Scripta Metallurgica</i> , 1987 , 21, 879-884		221
20	A Microstructural model for primary creep. <i>Acta Metallurgica</i> , 1987 , 35, 1349-1353		46
19	The Influence of Surface Roughness on Interface Formation in Metal/Ceramic Diffusion Bonds 1987 , 319-328		5
18	Internal stress superplasticity in metal matrix composites. <i>Scripta Metallurgica</i> , 1985 , 19, 703-707		20
17	Comments on: A rational method for calculating mechanism maps. <i>Scripta Metallurgica</i> , 1985 , 19, 1013-1014		
16	Diffusion bonding: development of theoretical model. <i>Metal Science</i> , 1984 , 18, 427-431		85
15	Diffusion bonds in copper. <i>Journal of Materials Science</i> , 1984 , 19, 3140-3148	4.3	31
14	Diffusion bonds in iron and a low-alloy steel. <i>Journal of Materials Science</i> , 1984 , 19, 3149-3158	4.3	12
13	Power-laws, and the A ⁿ correlation in creep. <i>Scripta Metallurgica</i> , 1984 , 18, 1079-1084		21
12	Monotectic microstructure at high growth rates. <i>Scripta Metallurgica</i> , 1984 , 18, 169-172		11
11	Non-destructive testing and acoustic microscopy of diffusion bonds. <i>Journal of Materials Science</i> , 1983 , 18, 2345-2353	4.3	32
10	Temperature gradient and growth velocity effects on the irregular monotectic structure. <i>Journal of Crystal Growth</i> , 1983 , 65, 280-285	1.6	9
9	A criterion for the determination of monotectic structure. <i>Acta Metallurgica</i> , 1983 , 31, 1123-1130		97
8	Theoretical model for diffusion bonding. <i>Metal Science</i> , 1982 , 16, 49-56		164
7	Advanced alloys and metal/ceramic composites from lunar source materials. <i>Acta Astronautica</i> , 1982 , 9, 593-595	2.9	1

- 6 Joining methods in space: A theoretical model for diffusion bonding. *Acta Astronautica*, **1980**, 7, 685-698.9 11
- 5 Estrogen mediates acute elastic fibre homeostasis in skin 1
- 4 When the Drop Hits the Substrate113-139
- 3 Bioprinting, Inkjet Deposition1
- 2 Combined Nanoindentation and Acoustic Determination of the Elastic Properties of Float Glass Surface. *Ceramic Transactions*,93-105 0.1
- 1 Ductile Deformation in Alumina/Silicon Carbide Nanocomposites. *Ceramic Engineering and Science Proceedings*,155-164 0.1