

Winston O Soboyejo

List of Publications by Year in descending order

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162
papers

2,550
citations

249298

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all docs

162
docs citations

162
times ranked

2697
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial fracture of hybrid organic–inorganic perovskite solar cells. <i>Extreme Mechanics Letters</i> , 2022, 50, 101515.	2.0	7
2	Pressure-induced interfacial contacts and the deformation in all solid-state Li-ion batteries. <i>Journal of Power Sources</i> , 2022, 521, 230939.	4.0	14
3	Effects of temperature-dependent burn-in decay on the performance of triple cation mixed halide perovskite solar cells. <i>AIP Advances</i> , 2022, 12, 015122.	0.6	6
4	Understanding the effects of annealing temperature on the mechanical properties of layers in FAI-rich perovskite solar cells. <i>AIP Advances</i> , 2022, 12, 025104.	0.6	2
5	Effects of blister formation on the degradation of organic light emitting devices. <i>AIP Advances</i> , 2022, 12, 035308.	0.6	0
6	Mechanical properties of polyvinylpyrrolidone/polyvinyl alcohol-based solid electrolytes. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	0
7	Investigation of creep properties and the cytoskeletal structures of <sc>non-tumorigenic</sc> breast cells and <sc>triple-negative</sc> breast cancer cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1004-1020.	2.1	5
8	Hydroxyapatite and bone particle-doped ceramic water filters for the removal of fluoride and bacteria. <i>Cogent Engineering</i> , 2022, 9, .	1.1	2
9	Stress Corrosion Cracking and Corrosion Fatigue Cracking of Steels. , 2022, , .		0
10	Adhesion in Perovskite Solar Cell Multilayer Structures. <i>ACS Applied Energy Materials</i> , 2022, 5, 6011-6018.	2.5	8
11	Processing of γ -Fe ₂ O ₃ Nanoparticles on Activated Carbon Cloth as Binder-Free Electrode Material for Supercapacitor Energy Storage. <i>Journal of Energy Storage</i> , 2021, 33, 102042.	3.9	24
12	Mechanical Properties of Epoxy/Clay Composite Coatings on an X65 Steel Substrate. <i>Cogent Engineering</i> , 2021, 8, .	1.1	1
13	Fracture and fatigue behavior of Bambusa Vulgaris-Schrad Bamboo. <i>Cogent Engineering</i> , 2021, 8, .	1.1	1
14	Pressure-assisted fabrication of perovskite light emitting devices. <i>AIP Advances</i> , 2021, 11, 025112.	0.6	2
15	Release kinetics of fungicidal antimicrobials into packaged foods. <i>Journal of Food Safety</i> , 2021, 41, e12904.	1.1	1
16	Pressure and thermal annealing effects on the photoconversion efficiency of polymer solar cells. <i>AIP Advances</i> , 2021, 11, .	0.6	2
17	In vitro studies of Annona muricata L . extract-loaded electrospun scaffolds for localized treatment of breast cancer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 2041-2056.	1.6	7
18	Animated concept-in-context maps as a materials science learning resource in an online flipped classroom. <i>MRS Advances</i> , 2021, 6, 351-354.	0.5	3

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19	Annealing effects on interdiffusion in layered FA-rich perovskite solar cells. AIP Advances, 2021, 11, .	0.6	12
20	Actin cytoskeletal structure and the statistical variations of the mechanical properties of non-tumorigenic breast and triple-negative breast cancer cells. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 119, 104505.	1.5	9
21	Tele-Operative Low-Cost Robotic Lung Ultrasound Scanning Platform for Triage of COVID-19 Patients. IEEE Robotics and Automation Letters, 2021, 6, 4664-4671.	3.3	24
22	Failure Mechanisms of Stretchable Perovskite Light-Emitting Devices under Monotonic and Cyclic Deformations. Macromolecular Materials and Engineering, 2021, 306, 2100435.	1.7	1
23	A study of the effects of a thermally evaporated nanoscale CsBr layer on the optoelectronic properties and stability of formamidinium-rich perovskite solar cells. AIP Advances, 2021, 11, 095112.	0.6	8
24	Tin Oxide Modified Titanium Dioxide as Electron Transport Layer in Formamidinium-Rich Perovskite Solar Cells. Energies, 2021, 14, 7870.	1.6	6
25	Failure of Stretchable Organic Solar Cells under Monotonic and Cyclic Loading. Macromolecular Materials and Engineering, 2020, 305, 2000369.	1.7	6
26	Drug-encapsulated blend of PLGA-PEG microspheres: in vitro and in vivo study of the effects of localized/targeted drug delivery on the treatment of triple-negative breast cancer. Scientific Reports, 2020, 10, 14188.	1.6	60
27	Corrosion behavior of 5-hydroxytryptophan (HTP)/epoxy and clay particle-reinforced epoxy composite steel coatings. Cogent Engineering, 2020, 7, 1797982.	1.1	3
28	Luteinizing Hormone-Releasing Hormone (LHRH) Conjugated Magnetite Nanoparticles as MRI Contrast Agents for Breast Cancer Imaging. Applied Sciences (Switzerland), 2020, 10, 5175.	1.3	9
29	Mechanical stimulation improves osteogenesis and the mechanical properties of osteoblast- α -functionalized polycaprolactone/hydroxyapatite scaffolds. Journal of Biomedical Materials Research - Part A, 2020, 108, 2421-2434.	2.1	15
30	Assessment of Ceramic Water Filters for the Removal of Bacterial, Chemical, and Viral Contaminants. Journal of Environmental Engineering, ASCE, 2020, 146, 04020066.	0.7	2
31	LHRH-Conjugated Drugs as Targeted Therapeutic Agents for the Specific Targeting and Localized Treatment of Triple Negative Breast Cancer. Scientific Reports, 2020, 10, 8212.	1.6	30
32	Pressure-Assisted Fabrication of Perovskite Solar Cells. Scientific Reports, 2020, 10, 7183.	1.6	34
33	Compressive deformation of Bambusa Vulgaris-Schrad in the transverse and longitudinal orientations. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103750.	1.5	5
34	Ceramic Water Filters for the Removal of Bacterial, Chemical, and Viral Contaminants. Journal of Environmental Engineering, ASCE, 2019, 145, .	0.7	7
35	Compressive deformation and failure of trabecular structures in a turtle shell. Acta Biomaterialia, 2019, 97, 535-543.	4.1	18
36	Anomalous Release Kinetics of Prodigiosin from Poly-N-Isopropyl-Acrylamid based Hydrogels for The Treatment of Triple Negative Breast Cancer. Scientific Reports, 2019, 9, 3862.	1.6	60

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37	Recent advances in solar energy harvesting materials with particular emphasis on photovoltaic materials. , 2019, , .		5
38	Modeling studies of corrosion fatigue in a low carbon steel. Cogent Engineering, 2019, 6, .	1.1	6
39	Investigation of adhesive interactions in the specific targeting of Triptorelin-conjugated PEG-coated magnetite nanoparticles to breast cancer cells. Acta Biomaterialia, 2018, 71, 363-378.	4.1	48
40	Removal Mechanisms of Contaminants in Ceramic Water Filters. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	6
41	Synthesis and Characterization of Cassava Bark Nanoparticles. MRS Advances, 2018, 3, 2519-2526.	0.5	1
42	Computational modeling of drug diffusion and inductive heating in an implantable biomedical device for localized thermo-chemotherapy of cancer cells/tissue. Cogent Engineering, 2018, 5, 1463814.	1.1	6
43	An investigation of the viscoelastic properties and the actin cytoskeletal structure of triple negative breast cancer cells. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 86, 1-13.	1.5	30
44	Transitions from Pits to Cracks during Stress Corrosion Cracking in a Low-Carbon Steel. Materials Performance and Characterization, 2018, 7, 78-91.	0.2	2
45	Biosynthesis of Gold Nanoparticles and Gold/Prodigiosin Nanoparticles with Serratia marcescens Bacteria. Waste and Biomass Valorization, 2017, 8, 2045-2059.	1.8	27
46	Extended pulsated drug release from PLGA-based minirods. Journal of Materials Science: Materials in Medicine, 2017, 28, 61.	1.7	3
47	Adhesion of ligand-conjugated biosynthesized magnetite nanoparticles to triple negative breast cancer cells. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 68, 276-286.	1.5	14
48	A comparative study of the adhesion of biosynthesized gold and conjugated gold/prodigiosin nanoparticles to triple negative breast cancer cells. Journal of Materials Science: Materials in Medicine, 2017, 28, 143.	1.7	8
49	Structure and properties of clay ceramics for thermal energy storage. Journal of the American Ceramic Society, 2017, 100, 4748-4759.	1.9	10
50	Effects of pre-buckling on the bending of organic electronic structures. AIP Advances, 2017, 7, .	0.6	5
51	Pressure effects on interfacial surface contacts and performance of organic solar cells. Journal of Applied Physics, 2017, 122, .	1.1	7
52	Cold welding of organic light emitting diode: Interfacial and contact models. AIP Advances, 2016, 6, .	0.6	10
53	Toughening Behavior in Natural Fiber-reinforced Earth-based Composites. MRS Advances, 2016, 1, 791-797.	0.5	0
54	Effects of pressure on nano- and micro-scale morphological changes in conjugated polymer photovoltaic cells. Journal of Materials Research, 2016, 31, 3187-3195.	1.2	3

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55	Reliability and Physics Failure of Stretchable Organic Solar Cells. <i>MRS Advances</i> , 2016, 1, 21-26.	0.5	4
56	Pull-out behavior of natural fiber from earth-based matrix. <i>Journal of Composite Materials</i> , 2016, 50, 3539-3550.	1.2	10
57	Surface Hardening of AISI 8620 Steel with Cassava (<i>Manihot spp.</i>) Waste. <i>Waste and Biomass Valorization</i> , 2016, 7, 603-614.	1.8	3
58	Swelling of poly(N-isopropylacrylamide) P(NIPA)-based hydrogels with bacterial-synthesized prodigiosin for localized cancer drug delivery. <i>Materials Science and Engineering C</i> , 2016, 59, 19-29.	3.8	25
59	Statistical Distributions of the Strength and Fracture Toughness of Recycled Polyethylene-Reinforced Laterite Composites. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, 04015146.	1.3	8
60	Strength and fracture toughness of earth-based natural fiber-reinforced composites. <i>Journal of Composite Materials</i> , 2016, 50, 1145-1160.	1.2	26
61	Lamination of organic solar cells and organic light emitting devices: Models and experiments. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	12
62	Nano- and Macro-wear of Bio-carbo-nitrided AISI 8620 Steel Surfaces. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 5810-5829.	1.1	8
63	Biodegradation of Linear Low Density Polyethylene by <i>Serratia marcescens</i> subsp. <i>marcescens</i> and its Cell Free Extracts. <i>Waste and Biomass Valorization</i> , 2015, 6, 1047-1057.	1.8	37
64	Micro-wrinkling and delamination-induced buckling of stretchable electronic structures. <i>Journal of Applied Physics</i> , 2015, 117, 235501.	1.1	27
65	Pressure-assisted fabrication of organic light emitting diodes with MoO ₃ hole-injection layer materials. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	18
66	Adhesion and degradation of organic and hybrid organic-inorganic light-emitting devices. <i>Journal of Applied Physics</i> , 2014, 115, 084504.	1.1	11
67	Adhesion in flexible organic and hybrid organic/inorganic light emitting device and solar cells. <i>Journal of Applied Physics</i> , 2014, 116, 074506.	1.1	24
68	Mode Mixity Dependence of Interfacial Fracture Toughness in Organic Electronic Structures. <i>IEEE Transactions on Device and Materials Reliability</i> , 2014, 14, 291-299.	1.5	5
69	Prodigiosin release from an implantable biomedical device: kinetics of localized cancer drug release. <i>Materials Science and Engineering C</i> , 2014, 42, 734-745.	3.8	24
70	Attenuated short wavelength buckling and force propagation in a biopolymer-reinforced rod. <i>Soft Matter</i> , 2013, 9, 194-199.	1.2	20
71	An in-vitro study of the effects of temperature on breast cancer cells: Experiments and models. <i>Materials Science and Engineering C</i> , 2012, 32, 2242-2249.	3.8	10
72	Design of functionally graded dental multilayers. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2011, 34, 887-897.	1.7	44

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73	Mechanical properties of functionally graded hierarchical bamboo structures. <i>Acta Biomaterialia</i> , 2011, 7, 3796-3803.	4.1	260
74	Effects of temperature on diffusion from PNIPA-based gels in a BioMEMS device for localized chemotherapy and hyperthermia. <i>Materials Science and Engineering C</i> , 2011, 31, 67-76.	3.8	23
75	An Investigation of Thermal Shock in Porous Clay Ceramics. <i>ISRN Mechanical Engineering</i> , 2011, 2011, 1-9.	0.9	6
76	Physical Properties of Porous Clay Ceramic-Ware. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2011, 133, .	0.8	20
77	Large strain deformation and cracking of nano-scale gold films on PDMS substrate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 170, 32-40.	1.7	39
78	Modeling of Dynamically Loaded Open-Cell Metallic Foams: Yielding, Collapse, and Strain Rate Effects. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2010, 77, .	1.1	6
79	Adhesion and cyclic stretching of Au thin film on poly(dimethyl-siloxane) for stretchable electronics. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	30
80	Adhesion in organic electronic structures. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	48
81	Mixed mode fracture of dental interfaces. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 488, 381-388.	2.6	17
82	Fatigue and Fracture of a Bulk Nanocrystalline NiFe Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008, 39, 1145-1156.	1.1	40
83	Chemically and Thermally Treated Vegetable Fibers for Reinforcement of Cement-Based Composites. <i>Materials and Manufacturing Processes</i> , 2007, 22, 214-227.	2.7	66
84	Indentation Size Effects in the Nano and Microhardness of FCC Single Crystal Metals. <i>Materials and Manufacturing Processes</i> , 2007, 22, 228-237.	2.7	22
85	Nanoindentation Measurements of the Mechanical Properties of Ni Thin Films: Effects of Film Microstructure and Substrate Modulus. <i>Materials and Manufacturing Processes</i> , 2007, 22, 195-205.	2.7	5
86	Effects of Na ₂ O on the Thermal Shock Resistance of Aluminosilicate Refractory Ceramics. <i>Materials and Manufacturing Processes</i> , 2007, 22, 180-186.	2.7	5
87	Mechanical Properties of Au Films on Silicon Substrates. <i>Materials and Manufacturing Processes</i> , 2007, 22, 187-194.	2.7	38
88	Nanoindentation of Ni-Ti Thin Films. <i>Materials and Manufacturing Processes</i> , 2007, 22, 175-179.	2.7	50
89	Substrate creep on the fatigue life of a model dental multilayer structure. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 82B, 374-382.	1.6	20
90	An Experimental Study of Fracture of LIGA Ni Micro-Electro-Mechanical Systems Thin Films. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 1223-1230.	1.1	4

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91	Indentation size effects in the nano- and micro-hardness of fcc single crystal metals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 434, 178-187.	2.6	92
92	Mechanical behavior of cement-based materials reinforced with sisal fibers. <i>Journal of Materials Science</i> , 2006, 41, 6938-6948.	1.7	45
93	An investigation of the effects of mix strength on the fracture and fatigue behavior of concrete mortar. <i>Journal of Materials Science</i> , 2006, 41, 6973-6977.	1.7	4
94	Materials selection for thermal comfort in passive solar buildings. <i>Journal of Materials Science</i> , 2006, 41, 6897-6907.	1.7	12
95	Investigation of Spreading and Traction of Human Osteosarcoma Cells on Microgrooved Polydimethylsiloxane Surfaces. <i>Materials Research Society Symposia Proceedings</i> , 2006, 950, 1.	0.1	1
96	Microscale testing of the strut in open cell aluminum foams. <i>Journal of Materials Science</i> , 2005, 40, 429-439.	1.7	46
97	Multiscale Deformation of Open Cell Aluminum Foams. <i>Mechanics of Advanced Materials and Structures</i> , 2005, 12, 201-216.	1.5	15
98	Design of implantable MEMS sensors for early stenosis detection. <i>WIT Transactions on Biomedicine and Health</i> , 2005, , .	0.0	0
99	A Statistical Approach to the Prediction of Brittle Fracture in Heat-Affected Zones of A707 Steel Welds. <i>Materials and Manufacturing Processes</i> , 2004, 19, 921-947.	2.7	7
100	Microstructure and Surface Topography Evolution of Ti and Ni Thin Structures. <i>Materials and Manufacturing Processes</i> , 2004, 19, 883-897.	2.7	3
101	Microstructural effects on fatigue and dwell-fatigue crack growth in $\hat{I}\pm/\hat{I}^2$ Ti-6Al-2Sn-4Zr-2Mo-0.1Si. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 163-187.	1.1	19
102	Mechanics Modeling of the Compressive Stiffness and Strength of Open-Celled Aluminum Foams. <i>Materials and Manufacturing Processes</i> , 2004, 19, 863-882.	2.7	10
103	A nano-indentation study on the plasticity length scale effects in LIGA Ni MEMS structures. <i>Journal of Materials Science</i> , 2003, 38, 4137-4143.	1.7	20
104	Modeling of fatigue in polysilicon MEMS structures. <i>Journal of Materials Science</i> , 2003, 38, 4157-4161.	1.7	15
105	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 4129-4135.	1.7	31
106	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 291-305.	1.7	20
107	Fatigue damage evolution in silicon films for micromechanical applications. <i>Experimental Mechanics</i> , 2003, 43, 289-302.	1.1	24
108	An investigation of contact deformation, fracture, and fatigue behavior in bulk metallic glasses. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003, 34, 1851-1861.	1.1	1

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109	Nanoindentation study of plasticity length scale effects in LIGA Ni microelectromechanical systems structures. <i>Journal of Materials Research</i> , 2003, 18, 719-728.	1.2	48
110	Bilinear Behavior in the Indentation Size Effect: A Consequence of Strain Gradient Plasticity. <i>Materials Research Society Symposia Proceedings</i> , 2002, 750, 1.	0.1	1
111	An investigation of the microstructure and strength of open-cell 6101 aluminum foams. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002, 33, 1413-1427.	1.1	58
112	A probabilistic framework for the modeling of fatigue in a lamellar XDTM gamma titanium aluminide alloy. <i>International Journal of Fatigue</i> , 2002, 24, 69-81.	2.8	7
113	Ductile layer toughening of brittle intermetallic composites. <i>Journal of Materials Science</i> , 2002, 37, 3023-3034.	1.7	6
114	Title is missing!. <i>International Journal of Fracture</i> , 2002, 115, 287-305.	1.1	6
115	An investigation of fracture and fatigue in a metal/polymer composite. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 1997-2010.	1.1	14
116	An investigation of the fracture behavior of coarse-grained heat-affected zones in A707 steel welds. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 533-545.	1.1	7
117	An investigation of the effects of loading rate on resistance-curve behavior and toughening in cast lamellar gamma-based titanium aluminides. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 325-337.	1.1	17
118	Effects of temperature on the fatigue crack growth behavior of cast gamma-based titanium aluminides. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 2781-2794.	1.1	11
119	A multiparameter approach to the prediction of fatigue crack growth in metallic materials. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2001, 24, 225-242.	1.7	10
120	Probabilistic modeling of fatigue crack growth in Ti-6Al-4V. <i>International Journal of Fatigue</i> , 2001, 23, 917-925.	2.8	19
121	High creep exponents in a nearly-lamellar β^3 -based titanium aluminide intermetallic. <i>Journal of Materials Science</i> , 2001, 36, 3539-3547.	1.7	4
122	Investigation of Thermal Shock in a High-Temperature Refractory Ceramic: A Fracture Mechanics Approach. <i>Journal of the American Ceramic Society</i> , 2001, 84, 1309-1314.	1.9	27
123	Fatigue crack propagation and fracture characteristics of in-situ titanium-matrix composites. <i>International Journal of Fatigue</i> , 2000, 22, 161-174.	2.8	17
124	Title is missing!. <i>Journal of Materials Science</i> , 2000, 35, 1339-1345.	1.7	13
125	An investigation of the effects of ductile-layer thickness on the fracture behavior of nickel aluminide microlaminates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2000, 31, 1385-1399.	1.1	33
126	An Investigation of The Effects of Temperature on Fatigue Crack Growth Behavior of a Cast Nearly Lamellar Ti-47Al-2Cr-2Mn + 0.8 Vol. %TiB ₂ Gamma Titanium Alloy. <i>Materials Research Society Symposia Proceedings</i> , 2000, 646, 143.	0.1	2

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127	Investigation of Toughening and Resistance-Curve Behavior in Hybrid Molybdenum Disilicide. Journal of the American Ceramic Society, 1999, 82, 2460-2460.	1.9	7
128	Title is missing!. Journal of Materials Science, 1999, 34, 3567-3575.	1.7	6
129	Title is missing!. Applied Composite Materials, 1998, 5, 25-47.	1.3	3
130	An investigation of toughening in NiAl composites reinforced with yttria-partially stabilized zirconia particles. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 493-505.	1.1	14
131	MECHANISTICALLY-BASED ACOUSTIC EMISSION MODELS FOR THE PREDICTION OF FATIGUE DAMAGE IN A TITANIUM MATRIX COMPOSITE. Nondestructive Testing and Evaluation, 1998, 14, 39-70.	1.1	0
132	Fatigue of in situ Reinforced Ti-8.5Al-1Si. Journal of Materials Research, 1997, 12, 1102-1111.	1.2	6
133	Deformation and Fracture Properties of Damage Tolerant In-situ Titanium Matrix Composites. Applied Composite Materials, 1997, 4, 361-374.	1.3	1
134	Title is missing!. Journal of Materials Science, 1997, 32, 1877-1887.	1.7	5
135	Microstructure and the fracture behaviou of a Ti-24Al-11Nb intermetallic. Journal of Materials Science, 1997, 32, 5833-5847.	1.7	3
136	Deformation and fracture properties of damage tolerant in-situ titanium matrix composites. Applied Composite Materials, 1997, 4, 361-374.	1.3	11
137	An investigation of the effects of interfacial microstructure on the fatigue behavior of a four-ply [75]4 continuous silicon carbide (SCS-6) fiber-reinforced titanium matrix composite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 2583-2593.	1.1	2
138	Effects of microstructure on the strength and fatigue behavior of a silicon carbide fiber-reinforced titanium matrix composite and its constituents. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 1667-1687.	1.1	1
139	On the Influence of Microstructure on the Fracture Behavior of Gamma-Based Titanium Aluminides. I. Effects of Alloying with Mn. Materials and Manufacturing Processes, 1996, 11, 411-430.	2.7	0
140	Mixed Mode Fracture in Electronic Packages. Materials Research Society Symposia Proceedings, 1996, 445, 263.	0.1	2
141	Interfaces and fatigue Damage in a Ti-15Al-3/SCS-6 [0/90]2s Composite. Materials Research Society Symposia Proceedings, 1996, 458, 261.	0.1	0
142	Hall-Petch and Multiple Linear Regression Equations for the Prediction of Mechanical Properties in Gamma-Based Titanium Aluminides. Materials Research Society Symposia Proceedings, 1996, 460, 183.	0.1	0
143	Fatigue and fracture behavior of Nb fiber-reinforced MoSi2 composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 2263-2273.	1.1	4
144	The tensile behaviour of gamma titanium aluminide intermetallic. Journal of Materials Science, 1996, 31, 2193-2198.	1.7	5

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145	The tensile behavior of a silicon carbide fiber-reinforced titanium matrix composite. Applied Composite Materials, 1996, 3, 215-247.	1.3	1
146	On the Influence of Thermomechanical Processing on the Fracture Behavior of Gamma-Based Titanium Aluminides. II. Effects of Alloying with Cr and Nb. Materials and Manufacturing Processes, 1996, 11, 431-448.	2.7	6
147	On the Influence of Microstructure on the Fracture Behavior of Gamma-Based Titanium Aluminides. III. Effects of Interstitials and Microalloying with W. Materials and Manufacturing Processes, 1996, 11, 449-469.	2.7	0
148	On the Influence of Thermomechanical Processing on the Fatigue and Fracture Behavior of Gamma-Based Titanium Aluminides. IV. Effects of Alloying with V. Materials and Manufacturing Processes, 1996, 11, 471-480.	2.7	1
149	Mechanical behavior of damage tolerant TiB whisker-reinforced in situ titanium matrix composites. Acta Metallurgica Et Materialia, 1994, 42, 2579-2591.	1.9	113
150	Strength, fracture, and fatigue behavior of advanced high-temperature intermetallics reinforced with ductile phases. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1993, 24, 585-600.	1.4	53
151	Fabrication of organic light-emitting devices by direct transfer of active organic materials using organic-organic adhesion. , 0, , .		0
152	Off-grid solar in the developing world. , 0, , 295-301.		0
153	Pitting Corrosion of a Low Carbon Steel in Corrosive Environments: Experiments and Models. Advanced Materials Research, 0, 1132, 349-365.	0.3	8
154	Influence of Pressure on Contacts between Layers in Organic Photovoltaic Cells. Advanced Materials Research, 0, 1132, 204-216.	0.3	6
155	Failure Mechanisms in Layers Relevant to Stretchable Organic Solar Cells. Advanced Materials Research, 0, 1132, 106-115.	0.3	4
156	Effects of Deformation on Failure Mechanisms and Optical Properties of Flexible Organic Solar Cell Structures. Advanced Materials Research, 0, 1132, 125-143.	0.3	5
157	Effects of Adhesion and Stretching on Failure Mechanisms and Optical Properties of Organic Solar Cells. Advanced Materials Research, 0, 1132, 89-105.	0.3	5
158	Deformation and Failure of Bendable Organic Solar Cells. Advanced Materials Research, 0, 1132, 116-124.	0.3	7
159	Mechanics Modeling of the Compressive Stiffness and Strength of Open-Celled Aluminum Foams. , 0, , .		1
160	Mechanochemical Pretreatment for Waste-Free Conversion of Bamboo to Simple Sugars: Utilization of Available Resources for Developing Economies. Advanced Sustainable Systems, 0, , 2100286.	2.7	4
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