

# Ta Parthasarathy

## List of Publications by Citations

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214  
papers

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43  
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76  
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224  
ext. papers

7,724  
ext. citations

3.5  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
214	Size-affected single-slip behavior of pure nickel microcrystals. <i>Acta Materialia</i> , <b>2005</b> , 53, 4065-4077	8.4	526
213	Contribution to size effect of yield strength from the stochastics of dislocation source lengths in finite samples. <i>Scripta Materialia</i> , <b>2007</b> , 56, 313-316	5.6	403
212	Theoretical Analysis of the Fiber Pullout and Pushout Tests. <i>Journal of the American Ceramic Society</i> , <b>1991</b> , 74, 1585-1596	3.8	362
211	Athermal mechanisms of size-dependent crystal flow gleaned from three-dimensional discrete dislocation simulations. <i>Acta Materialia</i> , <b>2008</b> , 56, 3245-3259	8.4	254
210	A model for the oxidation of ZrB <sub>2</sub> , HfB <sub>2</sub> and TiB <sub>2</sub> . <i>Acta Materialia</i> , <b>2007</b> , 55, 5999-6010	8.4	246
209	Interface Design for Oxidation-Resistant Ceramic Composites. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 2599-2632	3.8	227
208	Oxidation mechanisms in Mo-reinforced Mo <sub>5</sub> SiB <sub>2</sub> (T <sub>2</sub> )/Mo <sub>3</sub> Si alloys. <i>Acta Materialia</i> , <b>2002</b> , 50, 1857-1868	8.4	179
207	Effect of Interfacial Roughness on the Frictional Stress Measured Using Pushout Tests. <i>Journal of the American Ceramic Society</i> , <b>1991</b> , 74, 2793-2801	3.8	143
206	Oxidation behavior of Mo/Mo <sub>3</sub> Si/Mo <sub>5</sub> SiB <sub>2</sub> (T <sub>2</sub> ) three phase system. <i>Intermetallics</i> , <b>2002</b> , 10, 225-232	3.5	115
205	The role of grain size and selected microstructural parameters in strengthening fully lamellar TiAl alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>1998</b> , 29, 37-47	2.3	110
204	Atomistic simulations of dislocations in a model BCC multicomponent concentrated solid solution alloy. <i>Acta Materialia</i> , <b>2017</b> , 125, 311-320	8.4	102
203	Creep Mechanism of Polycrystalline Yttrium Aluminum Garnet. <i>Journal of the American Ceramic Society</i> , <b>1992</b> , 75, 1756-1759	3.8	98
202	Deformation Behavior of an Al <sub>2</sub> O <sub>3</sub> -Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> Eutectic Composite in Comparison with Sapphire and YAG. <i>Journal of the American Ceramic Society</i> , <b>1993</b> , 76, 29-32	3.8	97
201	Green's function boundary conditions in two-dimensional and three-dimensional atomistic simulations of dislocations. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1998</b> , 77, 231-256		93
200	Effectiveness of Monazite Coatings in Oxide/Oxide Composites after Long-Term Exposure at High Temperature. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 325-332	3.8	91
199	Atomistic simulation of cross-slip processes in model fcc structures. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1999</b> , 79, 1167-1192		84
198	Tailorable thermal expansion hybrid structures. <i>International Journal of Solids and Structures</i> , <b>2009</b> , 46, 2372-2387	3.1	83

197	Analysis of the effect of interfacial roughness on fiber debonding and sliding in brittle matrix composites. <i>Acta Metallurgica Et Materialia</i> , <b>1994</b> , 42, 3773-3784		81
196	Observations on the creep behavior of fully-lamellar polycrystalline TiAl: Identification of critical effects. <i>Scripta Materialia</i> , <b>1997</b> , 37, 315-321	5.6	78
195	An orderfield property for stochastic games when one player controls transition probabilities. <i>Journal of Optimization Theory and Applications</i> , <b>1981</b> , 33, 375-392	1.6	77
194	Modeling Oxidation Kinetics of SiC-Containing Refractory Diborides. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 338-349	3.8	74
193	Optimal Plans for Dynamic Programming Problems. <i>Mathematics of Operations Research</i> , <b>1976</b> , 1, 390-394	1.5	72
192	Oxidation Behavior of Zirconium Diboride Silicon Carbide Produced by the Spark Plasma Sintering Method. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 2046-2052	3.8	70
191	Oxidation Kinetics of a Continuous Carbon Phase in a Nonreactive Matrix. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 972-980	3.8	69
190	Atomistic simulations of dislocation behavior in a model FCC multicomponent concentrated solid solution alloy. <i>Acta Materialia</i> , <b>2017</b> , 134, 188-194	8.4	67
189	Criteria for crack deflection/penetration criteria for fiber-reinforced ceramic matrix composites. <i>Composites Science and Technology</i> , <b>1998</b> , 58, 1775-1784	8.6	66
188	On stochastic games. <i>Journal of Optimization Theory and Applications</i> , <b>1970</b> , 5, 289-300	1.6	65
187	Oxidation Resistance of Hafnium Diboride Ceramics with Additions of Silicon Carbide and Tungsten Boride or Tungsten Carbide. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2600-2607	3.8	62
186	Modeling solution hardening in BCC refractory complex concentrated alloys: NbTiZr, Nb <sub>1.5</sub> TiZr <sub>0.5</sub> and Nb <sub>0.5</sub> TiZr <sub>1.5</sub> . <i>Acta Materialia</i> , <b>2019</b> , 168, 222-236	8.4	60
185	Crack deflection in ceramic composites and fiber coating design criteria. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>1999</b> , 30, 521-524	8.4	60
184	Compressive creep behavior of Nb <sub>5</sub> Si <sub>3</sub> . <i>Scripta Metallurgica Et Materialia</i> , <b>1995</b> , 32, 1227-1232		60
183	Chemical short range order strengthening in a model FCC high entropy alloy. <i>Acta Materialia</i> , <b>2020</b> , 190, 29-42	8.4	59
182	Thermal and Oxidation Response of UHTC Leading Edge Samples Exposed to Simulated Hypersonic Flight Conditions. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 907-915	3.8	58
181	Overview of experiments on microcrystal plasticity in FCC-derivative materials: selected challenges for modelling and simulation of plasticity. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2007</b> , 15, 135-146	2	56
180	Synthesis and structure-activity relationships of novel pyrimido[1,2-b]indazoles as potential anticancer agents against A-549 cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 3445-53	2.9	55

179	Molecular statics simulations of core structures and motion of dislocations in NiAl. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1993</b> , 67, 643-662		52
178	On Global Univalence Theorems. <i>Lecture Notes in Mathematics</i> , <b>1983</b> ,	0.4	52
177	Characterization of Oxidized Polymer-Derived SiBCN Fibers. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 2197-2202	3.8	50
176	Discounted, positive, and noncooperative stochastic games. <i>International Journal of Game Theory</i> , <b>1973</b> , 2, 25-37	0.5	49
175	The Effect of Lamellar Lath Spacing on the Creep Behavior of Ti-47at% Al. <i>Scripta Materialia</i> , <b>1998</b> , 38, 1025-1031	5.6	48
174	Extraction of interface properties from a fiber push-out test. <i>Scripta Metallurgica Et Materialia</i> , <b>1991</b> , 25, 2457-2462		45
173	Diffusion induced grain boundary migration in Ni-C alloys. <i>Scripta Metallurgica</i> , <b>1983</b> , 17, 943-946		45
172	Permutation games: Another class of totally balanced games. <i>OR Spectrum</i> , <b>1984</b> , 6, 119-123	1.9	44
171	Calculations of intersection cross-slip activation energies in fcc metals using nudged elastic band method. <i>Acta Materialia</i> , <b>2011</b> , 59, 7135-7144	8.4	42
170	Modeling environmentally induced property degradation of SiC/BN/SiC ceramic matrix composites. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 973-997	3.8	42
169	Activated states for cross-slip at screw dislocation intersections in face-centered cubic nickel and copper via atomistic simulation. <i>Acta Materialia</i> , <b>2010</b> , 58, 5547-5557	8.4	41
168	Large Cores and Exactness. <i>Games and Economic Behavior</i> , <b>1999</b> , 28, 1-12	1.1	41
167	Phenomenological observations of lamellar orientation effects on the creep behavior of Ti48at.%Al PST crystals. <i>Acta Materialia</i> , <b>2000</b> , 48, 541-551	8.4	39
166	Solution hardening in body-centered cubic quaternary alloys interpreted using Suzuki's kink-solute interaction model. <i>Scripta Materialia</i> , <b>2019</b> , 165, 103-106	5.6	38
165	Effects of Phase Change and Oxygen Permeability in Oxide Scales on Oxidation Kinetics of ZrB2 and HfB2. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1079-1086	3.8	38
164	Numerical study on microcompression tests of anisotropic single crystals. <i>Scripta Materialia</i> , <b>2007</b> , 57, 849-852	5.6	36
163	Fugitive Interfacial Carbon Coatings for Oxide/Oxide Composites. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 329-336	3.8	36
162	Modeling the Ultimate Tensile Strength of Unidirectional Glass-Matrix Composites. <i>Journal of the American Ceramic Society</i> , <b>2000</b> , 83, 166-174	3.8	36

161	Existence of stationary equilibrium strategies in non-zero sum discounted stochastic games with uncountable state space and state-independent transitions. <i>International Journal of Game Theory</i> , <b>1989</b> , 18, 189-194	0.5	36
160	Qualitative analysis of hafnium diboride based ultra high temperature ceramics under oxyacetylene torch testing at temperatures above 2100°C. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1045-1051	6	35
159	Predicted performance limits of yttrium aluminum garnet fiber lasers. <i>Optical Engineering</i> , <b>2010</b> , 49, 094302	1.1	35
158	Predicted Effects of Interfacial Roughness on the Behavior of Selected Ceramic Composites. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 2043-2055	3.8	35
157	Complementarity forms of theorems of Lyapunov and Stein, and related results. <i>Linear Algebra and Its Applications</i> , <b>2000</b> , 320, 131-144	0.9	35
156	Effect of Interfacial Roughness Parameters on the Fiber Pushout Behavior of a Model Composite. <i>Journal of the American Ceramic Society</i> , <b>1994</b> , 77, 3232-3236	3.8	35
155	Life prediction under tension of titanium alloys that develop an oxygenated brittle case during use. <i>Scripta Materialia</i> , <b>2011</b> , 65, 420-423	5.6	34
154	Monazite Coatings on SiC Fibers I: Fiber Strength and Thermal Stability. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 3475-3480	3.8	34
153	N-matrices. <i>Linear Algebra and Its Applications</i> , <b>1990</b> , 139, 89-102	0.9	32
152	Diffusion induced recrystallization of NiO. <i>Acta Metallurgica</i> , <b>1984</b> , 32, 29-33		31
151	The strength and dislocation microstructure evolution in superalloy microcrystals. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2017</b> , 99, 146-162	5	30
150	Fabrication and Testing of Oxide/Oxide Microcomposites with Monazite and Hibonite as Interlayers. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 3575-3583	3.8	30
149	Anisotropy in room temperature microhardness and fracture of CaWo4 scheelite. <i>Acta Materialia</i> , <b>2004</b> , 52, 5529-5537	8.4	30
148	Flow behavior of PST and fully lamellar polycrystals of Ti <sub>3</sub> Al in the microstrain regime. <i>Acta Materialia</i> , <b>1998</b> , 46, 4005-4016	8.4	29
147	Evaluation of Porous ZrO <sub>2</sub> -SiO <sub>2</sub> and Monazite Coatings Using Nextel™ 720-Fiber-Reinforced Blackglas™ Minicomposites. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 84, 1526-1532	3.8	28
146	Atomistic simulations of cross-slip nucleation at screw dislocation intersections in face-centered cubic nickel. <i>Philosophical Magazine</i> , <b>2009</b> , 89, 3351-3369	1.6	27
145	Issues in the control of fiber/matrix interfaces in ceramic composites. <i>Composites Science and Technology</i> , <b>1994</b> , 51, 291-296	8.6	27
144	Empirical Interatomic Potentials for L1O TiAl and B2 NiAl. <i>Materials Research Society Symposia Proceedings</i> , <b>1990</b> , 213, 125		27

143	Design, synthesis, structure-activity relationship and antibacterial activity series of novel imidazo fused quinolone carboxamides. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 1570-8	6.8	26
142	On stochastic games, II. <i>Journal of Optimization Theory and Applications</i> , <b>1971</b> , 8, 154-160	1.6	26
141	Mechanisms of Hydrogen Attack of carbon and 2Cr-1Mo steels. <i>Acta Metallurgica</i> , <b>1985</b> , 33, 1673-1681		25
140	Atomistic simulations of surface cross-slip nucleation in face-centered cubic nickel and copper. <i>Acta Materialia</i> , <b>2013</b> , 61, 2500-2508	8.4	24
139	Some Properties of Fully Semimonotone, $\$Q_0 \$$ -Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , <b>1995</b> , 16, 1268-1286	1.5	24
138	A Fast Spreadsheet Model for the Yield Strength of Superalloys <b>2004</b> ,		23
137	Modeling Environmental Degradation of SiC-Based Fibers. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 1725-1734	3.8	22
136	Composition, lattice parameters, and room temperature elastic constants of natural single crystal xenotime from Novo Horizonte. <i>Physics and Chemistry of Minerals</i> , <b>2006</b> , 33, 691-698	1.6	22
135	Evaluation of Oxide-Oxide Composites in a Novel Combustor Wall Application. <i>International Journal of Applied Ceramic Technology</i> , <b>2005</b> , 2, 122-132	2	22
134	PIVOTING ALGORITHMS FOR SOME CLASSES OF STOCHASTIC GAMES: A SURVEY. <i>International Game Theory Review</i> , <b>2001</b> , 03, 253-281	0.2	22
133	Screw dislocation cross slip at cross-slip plane jogs and screw dipole annihilation in FCC Cu and Ni investigated via atomistic simulations. <i>Acta Materialia</i> , <b>2015</b> , 101, 10-15	8.4	21
132	A Model for Transitions in Oxidation Regimes of ZrB <sub>2</sub> . <i>Materials Science Forum</i> , <b>2008</b> , 595-598, 823-832	0.4	21
131	Combined Effects of Exposure to Salt (NaCl) Water and Oxidation on the Strength of Uncoated and BN-Coated Nicalon Fibers. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 1812-1818	3.8	21
130	Atomistic simulations of the structure and stability of BPV locks in an L12 compound. <i>Acta Materialia</i> , <b>1996</b> , 44, 2237-2247	8.4	21
129	Existence of $\$p \$$ -equilibrium and optimal stationary strategies in stochastic games. <i>Proceedings of the American Mathematical Society</i> , <b>1976</b> , 60, 245-245	0.8	21
128	Stochastic Games with State Independent Transitions and Separable Rewards. <i>Lecture Notes in Economics and Mathematical Systems</i> , <b>1984</b> , 262-271	0.4	21
127	Almost N-matrices and linear complementarity. <i>Linear Algebra and Its Applications</i> , <b>1991</b> , 145, 107-125	0.9	20
126	Diffusion induced dislocation glide. <i>Scripta Metallurgica</i> , <b>1983</b> , 17, 1231-1235		20

125	Discrete dislocation simulations of precipitation hardening in inverse superalloys. <i>Philosophical Magazine Letters</i> , <b>2006</b> , 86, 215-225	1	19
124	Porous Yttrium Aluminum Garnet Fiber Coatings for Oxide Composites. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 2703-2710	3.8	19
123	Interface Properties in High-Strength Nicalon/C/SiC Composites, As Determined by Rough Surface Analysis of Fiber Push-Out Tests. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 1881-1887	3.8	19
122	Spontaneous athermal cross-slip nucleation at screw dislocation intersections in FCC metals and L12 intermetallics investigated via atomistic simulations. <i>Philosophical Magazine</i> , <b>2013</b> , 93, 3012-3028	1.6	18
121	Structural ceramic composites. <i>Current Opinion in Solid State and Materials Science</i> , <b>1999</b> , 4, 445-451	12	18
120	Implications from pre-straining experiments on emerging kink-based models for anomalous flow in L12 alloys. <i>Philosophical Magazine Letters</i> , <b>1995</b> , 71, 21-31	1	18
119	Numerical study of the flow responses and the geometric constraint effects in Ni-base two-phase single crystals using strain gradient plasticity. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 397, 69-83	5.3	17
118	Extraction of Weibull Parameters of Fiber Strength from Means and Standard Deviations of Failure Loads and Fiber Diameters. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 588-592	3.8	17
117	Zirconia/Silica/Carbon Coatings on Ceramic Fibers. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 87, 1967-1976	3.8	16
116	A molecular dynamics technique for determining energy landscapes as a dislocation percolates through a field of solutes. <i>Acta Materialia</i> , <b>2019</b> , 166, 658-676	8.4	16
115	Atomistic simulations of intersection cross-slip nucleation in L12 Ni3Al. <i>Scripta Materialia</i> , <b>2012</b> , 66, 410-413	4.13	15
114	Transformation Plasticity in (GdxDy1-x)PO4 Fiber Coatings During Fiber Push Out. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1586-1595	3.8	15
113	Processing, Microstructure, and Strength of Alumina/AlN Eutectic Polycrystals. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 2088-2090	3.8	15
112	Microstructural Stability of Nicalon at 1000deg;C in Air after Exposure to Salt (NaCl) Water. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 1992-1996	3.8	15
111	Processing and Testing of RE2Si2O7 Fiber/Matrix Interphases for SiC/SiC Composites. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 415-423	3.8	15
110	Large-scale dislocation dynamics simulations of strain hardening of Ni microcrystals under tensile loading. <i>Acta Materialia</i> , <b>2019</b> , 164, 171-183	8.4	15
109	Separating Test Artifacts from Material Behavior in the Oxidation Studies of HfB2/SiC at 2000°C and Above. <i>International Journal of Applied Ceramic Technology</i> , <b>2013</b> , 10, 293-300	2	14
108	Toughening of SiC with Ti3SiC2 Particles. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 633-637	3.8	14

107	QSAR studies--potent benzodiazepine gamma-secretase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 1873-8	3.4	14
106	Relationship Between Strong Monotonicity Property, P2-Property, and the Gus-Property in Semidefinite Linear Complementarity Problems. <i>Mathematics of Operations Research</i> , <b>2002</b> , 27, 326-331	1.5	14
105	Predicting the effects of microstructure on matrix crack initiation in fiber reinforced ceramic matrix composites via machine learning. <i>Composite Structures</i> , <b>2020</b> , 236, 111702	5.3	14
104	Experimental investigation into the crack propagation in multiphase tantalum carbide ceramics. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 695, 315-321	5.3	13
103	GdCl <sub>3</sub> promoted synthesis of novel pyrimidine fused indazole derivatives and their anticancer activity. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 4261-4273	2.2	13
102	A crystallographic constitutive model for Ni <sub>3</sub> Al (L12) intermetallics. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 400-401, 256-259	5.3	13
101	Lipschitzian Q-matrices are P-matrices. <i>Mathematical Programming</i> , <b>1996</b> , 74, 55-58	2.1	13
100	Existence of Saddle Points and Nash Equilibrium Points for Differential Games. <i>SIAM Journal on Control and Optimization</i> , <b>1975</b> , 13, 977-980		13
99	Evaluation of SiC/SiC minicomposites with yttrium disilicate fiber coating. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 91-102	3.8	13
98	A crystal-plasticity FEM study on effects of simplified grain representation and mesh types on mesoscopic plasticity heterogeneities. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 553, 37-44	5.3	12
97	Analysis of ceramics toughened by non-conventional fiber reinforcement. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 443, 120-131	5.3	12
96	Design-tool representations of strain compatibility and stress-strain relationships for lamellar gamma titanium aluminides. <i>Intermetallics</i> , <b>2001</b> , 9, 875-882	3.5	12
95	Process modeling of the low-temperature evolution and yield of polycarbosilanes for ceramic matrix composites. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 2809-2818	3.8	11
94	Development of a Test to Evaluate Aerothermal Response of Materials to Hypersonic Flow Using a Scramjet Wind Tunnel. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 832-847	2	11
93	Fully copositive matrices. <i>Mathematical Programming</i> , <b>1998</b> , 82, 401-411	2.1	11
92	Stability and Largeness of the Core. <i>Games and Economic Behavior</i> , <b>2001</b> , 34, 227-237	1.1	11
91	Vertical linear complementarity and discounted zero-sum stochastic games with ARAT structure. <i>Mathematical Programming</i> , <b>1999</b> , 86, 637-648	2.1	11
90	Effect of yttria concentration on low strain rate flow stress of cubic zirconia single crystals. <i>Acta Materialia</i> , <b>1996</b> , 44, 4663-4676	8.4	11

89	The Linear Complementarity Problem with Exact Order Matrices. <i>Mathematics of Operations Research</i> , <b>1994</b> , 19, 618-644	1.5	11
88	DIGM or DIR in CoO. <i>Scripta Metallurgica</i> , <b>1984</b> , 18, 811-812		11
87	Discounted and positive stochastic games. <i>Bulletin of the American Mathematical Society</i> , <b>1971</b> , 77, 134-137		11
86	Lasing of surface-polished polycrystalline Ho: YAG (yttrium aluminum garnet) fiber. <i>Optics Express</i> , <b>2017</b> , 25, 6725-6731	3.3	10
85	Effective Fiber Properties to Incorporate Coating Thermoelastic Effects in Fiber/Matrix Composite Models. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 82, 579-584	3.8	10
84	A copositive Q-matrix which is not R 0. <i>Mathematical Programming</i> , <b>1993</b> , 61, 131-135	2.1	10
83	Evaluation of Monazite Fiber Coatings in Dense Matrix Composites. <i>Ceramic Engineering and Science Proceedings</i> , 451-461	0.1	10
82	Synthesis, characterization and molecular docking studies of novel 2-amino 3-cyano pyrano[2,3H]chrysin derivatives as potential antimicrobial agents. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 3696-3709	2.2	9
81	Estimation of diffusional effects on solution hardening at high temperatures in single phase compositionally complex body centered cubic alloys. <i>Scripta Materialia</i> , <b>2019</b> , 172, 135-137	5.6	9
80	QSAR studies of N(1)-(5-chloro-2-pyridyl)-2-[[4-(alkyl methyl)benzoyl]amino]-5-chlorobenzamide analogs. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 319-25	3.4	9
79	Stability and largeness of core for symmetric games. <i>International Journal of Game Theory</i> , <b>2000</b> , 29, 11-225		9
78	Porous Rare-Earth Aluminate Fiber Coatings for Oxide-Oxide Composites. <i>Ceramic Engineering and Science Proceedings</i> , 219-228	0.1	9
77	Thermal history sensor based on glass-ceramics. <i>Sensors and Actuators A: Physical</i> , <b>2008</b> , 141, 245-255	3.9	8
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