

# Subramanya Sarma Vadlamani

## List of Publications by Citations

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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.

111 papers	3,445 citations	33 h-index	55 g-index
112 ext. papers	3,887 ext. citations	3.9 avg, IF	5.44 L-index

#	Paper	IF	Citations
111	Tensile and wear behaviour of in situ Al <sub>3</sub> Si/TiB <sub>2</sub> particulate composites. <i>Wear</i> , <b>2008</b> , 265, 134-142	3.5	237
110	Development of ultrafine grained high strength Al <sub>3</sub> Ti alloy by cryorolling. <i>Scripta Materialia</i> , <b>2006</b> , 54, 2013-2017	5.6	177
109	A Study on Microstructural Evolution and Dynamic Recrystallization During Isothermal Deformation of a Ti-Modified Austenitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2011</b> , 42, 1062-1072	2.3	161
108	On the Hall-Petch relationship in a nanostructured Al <sub>3</sub> Ti alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 7821-7825	5.3	128
107	Role of stacking fault energy in strengthening due to cryo-deformation of FCC metals. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 7624-7630	5.3	123
106	Role of Twinning on Dynamic Recrystallization and Microstructure During Moderate to High Strain Rate Hot Deformation of a Ti-Modified Austenitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2012</b> , 43, 2056-2068	2.3	96
105	Effect of Strain Rate on the Dynamic Recrystallization Behavior in a Nitrogen-Enhanced 316L(N). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 5645-5656	2.3	92
104	Recrystallisation texture and magnetisation behaviour of some FCC Ni <sub>3</sub> W alloys. <i>Scripta Materialia</i> , <b>2004</b> , 50, 953-957	5.6	90
103	High strength and ductile ultrafine-grained Cu <sub>3</sub> Ag alloy through bimodal grain size, dislocation density and solute distribution. <i>Acta Materialia</i> , <b>2013</b> , 61, 228-238	8.4	87
102	Microstructure and mechanical properties of ultra fine grained Cu <sub>3</sub> Zn and Cu <sub>3</sub> Al alloys produced by cryorolling and annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 489, 253-258	5.3	87
101	Hot deformation characteristics and processing map of a phosphorous modified super austenitic stainless steel. <i>Materials and Design</i> , <b>2017</b> , 115, 262-275	8.1	86
100	Development of high strength Al <sub>3</sub> Mg <sub>2</sub> Si AA6061 alloy through cold rolling and ageing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 515, 169-174	5.3	78
99	A critical evaluation on efficacy of recrystallization vs. strain induced boundary migration in achieving grain boundary engineered microstructure in a Ni-base superalloy. <i>Acta Materialia</i> , <b>2018</b> , 146, 187-201	8.4	74
98	Influence of processing parameters on dynamic recrystallization and the associated annealing twin boundary evolution in a nickel base superalloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 700, 49-58	5.3	68
97	New insights into the relationship between dynamic softening phenomena and efficiency of hot working domains of a nitrogen enhanced 316L(N) stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 598, 368-375	5.3	63
96	Influence of in situ formed TiB <sub>2</sub> particles on the abrasive wear behaviour of Al <sub>3</sub> Cu alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 465, 160-164	5.3	61
95	Low cycle fatigue behavior of a multiphase microalloyed medium carbon steel: comparison between ferrite-pearlite and quenched and tempered microstructures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2003</b> , 345, 328-335	5.3	59

94	Characterization of hot deformation behavior of alloy 617 through kinetic analysis, dynamic material modeling and microstructural studies. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 664, 177-187	5.3	58
93	On the Estimation of True Hall-Petch Constants and Their Role on the Superposition Law Exponent in Al Alloys. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, 892-897	3.5	55
92	High temperature wear behavior of Al <sub>3</sub> Cu/TiB <sub>2</sub> in situ composites. <i>Wear</i> , <b>2010</b> , 268, 1266-1274	3.5	54
91	Development of high strength and strongly cube textured Ni-4.5% W/Ni-15% Cr composite substrate for coated conductor application. <i>Acta Materialia</i> , <b>2003</b> , 51, 4919-4927	8.4	51
90	Effect of post weld heat treatment on the microstructure and tensile properties of dissimilar friction stir welded AA 2219 and AA 6061 alloys. <i>Transactions of the Indian Institute of Metals</i> , <b>2009</b> , 62, 11-19	1.2	49
89	Studies on twinning and grain boundary character distribution during anomalous grain growth in a Ti-modified austenitic stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 515, 134-140	5.3	46
88	High cycle fatigue behaviour of a multiphase microalloyed medium carbon steel: a comparison between ferrite-pearlite and tempered martensite microstructures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2003</b> , 362, 249-256	5.3	46
87	Effect of Temperature on the Wear Behavior of Al-7Si-TiB <sub>2</sub> In-Situ Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2009</b> , 40, 223-231	2.3	45
86	Implication of grain boundary engineering on high temperature hot corrosion of alloy 617. <i>Corrosion Science</i> , <b>2016</b> , 106, 293-297	6.8	43
85	A statistical analysis on erosion wear behaviour of A356 alloy reinforced with in situ formed TiB <sub>2</sub> particles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 476, 333-340	5.3	42
84	Development of high strength and ductile ultra fine grained dual phase steel with nano sized carbide precipitates in a VNb microalloyed steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 568, 171-175	5.3	40
83	On the cold rolling textures in some fcc Ni <sub>3</sub> W alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 380, 30-33	5.3	38
82	Microstructure and mechanical properties of nanocrystalline high strength AlMgSi (AA6061) alloy by high energy ball milling and spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 527, 292-296	5.3	37
81	Microstructure and Mechanical Properties of Nanostructured Al-4Cu Alloy Produced by Mechanical Alloying and Vacuum Hot Pressing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2009</b> , 40, 2798-2801	2.3	36
80	Severe deformation twinning in pure copper by cryogenic wire drawing. <i>Acta Materialia</i> , <b>2011</b> , 59, 7816-7823	7.8	34
79	Functionally Graded Al Alloy Matrix In-Situ Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2010</b> , 41, 242-254	2.3	34
78	Influence of State of Stress on Dynamic Recrystallization in a Titanium-Modified Austenitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2012</b> , 43, 410-414	2.3	33
77	Studies on recrystallization of single-phase copper alloys by resistance measurements. <i>Acta Materialia</i> , <b>2010</b> , 58, 2324-2329	8.4	32

76	Preparation of coated conductor architectures on Ni composite tapes. <i>Superconductor Science and Technology</i> , <b>2007</b> , 20, 709-714	3.1	32
75	Processing of Bimodal Grain-Sized Ultrafine-Grained Dual Phase Microalloyed V-Nb Steel with 1370 MPa Strength and 16 pct Uniform Elongation Through Warm Rolling and Inter-critical Annealing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 5313-5317	2.3	30
74	Effect of yttria particle size on the microstructure and compression creep properties of nanostructured oxide dispersion strengthened ferritic (Fe <sub>12</sub> Cr <sub>10</sub> W <sub>0.5</sub> Y <sub>2</sub> O <sub>3</sub> ) alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 4579-4584	5.3	30
73	Grain Boundary Microstructural Control through Thermomechanical Processing in a Titanium-Modified Austenitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2008</b> , 39, 3298-3307	2.3	30
72	Synthesis and characterization of Fe-15 wt.% ZrO <sub>2</sub> nanocomposite powders by mechanical milling. <i>Powder Technology</i> , <b>2016</b> , 287, 190-200	5.2	29
71	One-step and iterative thermo-mechanical treatments to enhance Bn boundaries in a Ti-modified austenitic stainless steel. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 275-284	4.3	28
70	Role of grain boundary engineered microstructure on high temperature steam oxidation behaviour of Ni based superalloy alloy 617. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 778, 224-233	5.7	28
69	Microstructural studies on nanocrystalline oxide dispersion strengthened austenitic (Fe <sub>18</sub> Cr <sub>18</sub> Ni <sub>10</sub> W <sub>0.25</sub> Y <sub>2</sub> O <sub>3</sub> ) alloy synthesized by high energy ball milling and vacuum hot pressing. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 4858-4865	4.3	27
68	Hot-workability of super-304H exhibiting continuous to discontinuous dynamic recrystallization transition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 734, 269-280	5.3	26
67	Mechanical properties and corrosion behaviour of nanocrystalline Ti <sub>5</sub> Ta <sub>1.8</sub> Nb alloy produced by cryo-rolling. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 616, 71-77	5.3	26
66	Role of Carbide Precipitates and Process Parameters on Achieving Grain Boundary Engineered Microstructure in a Ni-Based Superalloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 4740-4754	2.3	25
65	The influence of room temperature and cryogenic temperature rolling on the aging and wear behaviour of Al <sub>3</sub> Cu <sub>3</sub> TiB <sub>2</sub> in situ composites. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 268-273	5.7	24
64	Rolling and recrystallisation textures in Cu <sub>3</sub> Al, Cu <sub>3</sub> Mn and Cu <sub>3</sub> Ni alloys. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 7586-7591	4.3	23
63	Optimisation of single La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> buffer layers for YBCO coated conductors prepared by chemical solution deposition. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 4295-4300	1.6	23
62	Thermomechanical processing and characterisation of multi-phase microstructures in a V-bearing medium carbon micro-alloyed steel. <i>Journal of Materials Processing Technology</i> , <b>2003</b> , 139, 642-647	5.3	22
61	Effect of Mo addition on the microstructure and hardness of ultrafine-grained Ni alloys processed by a combination of cryorolling and high-pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 688, 92-100	5.3	21
60	Dynamic Recrystallization in a Ti Modified Austenitic Stainless Steel During High Strain Rate Deformation. <i>Materials and Manufacturing Processes</i> , <b>2010</b> , 25, 54-59	4.1	20
59	Low cycle fatigue behaviour of a medium carbon microalloyed steel. <i>International Journal of Fatigue</i> , <b>1997</b> , 19, 135-140	5	20

58	On the development of high strength and bi-axially textured Ni <sub>83</sub> W/Ni <sub>10</sub> Cr <sub>7</sub> .5%Al composite substrate for coated conductor application. <i>Scripta Materialia</i> , <b>2003</b> , 48, 1167-1171	5.6	19
57	Solute redistribution during annealing of a cold rolled Cu <sub>92</sub> Ag alloy. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 623, 96-103	5.7	17
56	Properties of cryo-drawn copper with severely twinned microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 588, 132-141	5.3	17
55	Low cycle fatigue behaviour of a multiphase medium carbon microalloyed steel processed through rolling. <i>Scripta Materialia</i> , <b>2003</b> , 49, 503-508	5.6	17
54	Hot hardness behaviour of ultrafine grained ferritic oxide dispersion strengthened alloys prepared by mechanical alloying and spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 558, 492-496	5.3	15
53	Application of textured highly alloyed NiW tapes for preparing coated conductor architectures. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 034015	3.1	15
52	Dynamic microstructural evolution and recrystallization mechanism during hot deformation of intermetallic-hardened duplex lightweight steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 788, 139613	5.3	15
51	Microstructure evolution and hardness variation during annealing of equal channel angular pressed ultra-fine grained nickel subjected to 12 passes. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 2662-2671	4.3	14
50	Microstructure and Mechanical Properties of Gas-Tungsten-Arc Welded Ti-15-3 Beta Titanium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2009</b> , 40, 2685-2693 <sup>13</sup>	2.3	13
49	Effect of rolling temperature on the evolution of defects and properties of an Al <sub>92</sub> Ti alloy. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 4846-4850	4.3	13
48	Effect of grain size on room temperature low cycle fatigue behaviour of a nickel base superalloy. <i>Materials Science and Technology</i> , <b>1998</b> , 14, 669-675	1.5	13
47	Efficiency of the refinement by deformation twinning in wire drawn single phase copper alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 624, 71-78	5.3	12
46	Spark plasma consolidation of continuous fiber reinforced titanium matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 703, 461-469	5.3	12
45	Transmission electron microscopy of a cyclically deformed medium carbon microalloyed steel. <i>Journal of Materials Science Letters</i> , <b>1997</b> , 16, 1495-1498		12
44	Simulation of the critical current density and its dependence on geometrical factors in RABiTS based coated conductors. <i>Superconductor Science and Technology</i> , <b>2004</b> , 17, 1003-1008	3.1	12
43	On the comparison of crack closure evaluation using dynamic and static compliance measurements. <i>International Journal of Fatigue</i> , <b>2001</b> , 23, 741-745	5	12
42	Annealing-Induced Hardening in Ultrafine-Grained NiMo Alloys. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1800184	3.5	12
41	Two strain-hardening mechanisms in nanocrystalline austenitic steel: An in situ synchrotron X-ray diffraction study. <i>Scripta Materialia</i> , <b>2012</b> , 66, 690-693	5.6	11



40	Effect of sulphur on cube texture formation in microalloyed nickel substrate tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2005</b> , 418, 9-15	1.3	11
39	Evolution of the microstructure during annealing of ultrafine-grained Ni with different Mo contents. <i>Materials Characterization</i> , <b>2017</b> , 130, 56-63	3.9	10
38	Influence of mode of deformation on microstructural heterogeneities in Ni subjected to large strain deformation. <i>Philosophical Magazine Letters</i> , <b>2015</b> , 95, 441-449	1	10
37	Experimental verification of grain boundary-sliding controlled steady state superplastic flow in both continually and statically recrystallizing Al alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 657, 185-196	5.3	10
36	Influence of mode of plastic straining on the microstructure of Ni and Ti deformed through rolling and torsion. <i>Materials Characterization</i> , <b>2017</b> , 132, 205-214	3.9	10
35	Microstructure and Mechanical Properties of V-Nb Microalloyed Ultrafine-Grained Dual-Phase Steels Processed Through Severe Cold Rolling and Intercritical Annealing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2017</b> , 48, 1176-1188	2.3	9
34	Influence of the mode of deformation on recrystallisation kinetics in Nickel through experiments, theory and phase field model. <i>Philosophical Magazine</i> , <b>2017</b> , 97, 3211-3228	1.6	8
33	Studies on hot rolled galvanized steel sheets: Effect of reheating on galvanizing. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 3465-3471	4.4	8
32	Studies on hot-rolled galvanized steel sheets: Segregation of alloying elements at the surface. <i>Scripta Materialia</i> , <b>2008</b> , 59, 522-525	5.6	8
31	Dispersion strengthened and highly cube textured Ni alloy tapes as possible substrates for coated conductors. <i>Acta Materialia</i> , <b>2003</b> , 51, 3769-3777	8.4	8
30	On the fatigue crack growth behaviour of two ferrite-pearlite microalloyed steels. <i>Materials Letters</i> , <b>2000</b> , 46, 185-188	3.3	8
29	Effect of grain boundary character distribution on weld heat-affected zone liquation cracking behavior of AISI 316Ti austenitic stainless steel. <i>Materials Characterization</i> , <b>2018</b> , 142, 115-123	3.9	8
28	Thermal Stability of Vacuum Hot Pressed Bulk Nanostructured Al-Cu Alloys. <i>Materials Science Forum</i> , <b>2011</b> , 690, 234-237	0.4	7
27	Nanoindentation studies on Ti <sub>40</sub> Zr <sub>60</sub> Ni bulk quasicrystalline intermetallics. <i>Philosophical Magazine</i> , <b>2007</b> , 87, 3109-3115	1.6	7
26	On the significance of misorientation axes of CSL boundaries in triple junctions in cubic materials. <i>Materials Characterization</i> , <b>2019</b> , 152, 276-281	3.9	6
25	Phase field modelling of annealing twin formation, evolution and interactions during grain growth. <i>Computational Materials Science</i> , <b>2020</b> , 182, 109787	3.2	6
24	Role of stress state on dynamic recrystallization behaviour of Ni during hot deformation: Analysis of uniaxial compression and plane strain compression. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2019</b> , 763, 138153	5.3	6
23	Grain boundary engineering and its implications on corrosion behavior of equiatomic CoCrFeMnNi high entropy alloy. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 888, 161500	5.7	6

22	Microstructure evolution during annealing of an SPD- processed supersaturated Cu 13 at.% Ag alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2014</b> , 63, 012091	0.4	5
21	Influence of Mo alloying on the thermal stability and hardness of ultrafine-grained Ni processed by high-pressure torsion. <i>Journal of Materials Research and Technology</i> , <b>2017</b> , 6, 361-368	5.5	5
20	Effect of Y2O3 on Spark Plasma Sintering Kinetics of Nanocrystalline 9Cr-1Mo Ferritic Oxide Dispersion-Strengthened Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2013</b> , 44, 4037-4041	2.3	4
19	The Effect of Thermomechanical Treatment on the Microstructure and the Mechanical Behavior of a Supersaturated Cu-Ag Alloy. <i>Materials Science Forum</i> , <b>2015</b> , 812, 53-58	0.4	4
18	Strengthening of biaxially textured Ni-alloys as substrates for YBCO tape conductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2002</b> , 372-376, 798-801	1.3	4
17	Development of ultra-fine grained dual phase microalloyed steels through severe cold rolling and intercritical annealing. <i>Transactions of the Indian Institute of Metals</i> , <b>2011</b> , 64, 89-92	1.2	3
16	Nickel DABiTS-tapes as a promising alternative to RABiTS-tapes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2004</b> , 408-410, 906-907	1.3	3
15	Transport measurements and J/sub c/ simulations for RABiTS based coated conductors-doping and grain architecture. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2005</b> , 15, 2794-2797	1.8	3
14	Low cycle fatigue behaviour of low carbon microalloyed steel: microstructural evolution and life assessment. <i>Materials Science and Technology</i> , <b>1999</b> , 15, 260-264	1.5	3
13	Origin and Role of $\Sigma$ Boundaries during Thermo-Mechanical Processing of a Ti-Modified Austenitic Stainless Steel. <i>Materials Science Forum</i> , <b>2011</b> , 702-703, 714-717	0.4	2
12	Isothermal Grain Growth Studies on Nanostructured 9Cr-1Mo and 9Cr-1W Ferritic Steels Containing Nano-sized Oxide Dispersoids. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 1684-1688	2.3	1
11	Compression creep studies of mechanically alloyed nanostructured Fe-12Cr-2W-0.25Y2O3ODS alloy. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 240, 012090	0.3	1
10	Texture Analysis for Determining the Rate Controlling Process in the Transient and Steady State Regions of Superplastic Flow. <i>Materials Science Forum</i> , <b>2011</b> , 702-703, 360-365	0.4	1
9	Dynamic Recrystallisation during Isothermal Hot Deformation in a Titanium Modified Austenitic Stainless Steel. <i>Materials Science Forum</i> , <b>2012</b> , 715-716, 140-145	0.4	1
8	Prediction of carbon segregation on the surface of continuously annealed hot-rolled LCAK steel. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 2051-2054	4.4	1
7	Some studies on the warm solid- and hollow-extrusion of sintered powder metallurgical copper preforms. <i>Journal of Materials Processing Technology</i> , <b>1997</b> , 70, 163-169	5.3	1
6	Reaction Kinetics at the Fiber/Matrix Interface of SiCf/Ti-6Al-4V Composites. <i>Transactions of the Indian Institute of Metals</i> , <b>2018</b> , 71, 941-949	1.2	1
5	Studies on Texture and Microstructure of Cryorolled and Annealed Cu-5%Al, Cu-5%Zn Alloys. <i>Ceramic Transactions</i> , <b>2009</b> , 529-536	0.1	1

4	A novel approach combining grain boundary engineering and grain boundary serration to enhance high-temperature hot corrosion resistance in Alloy 617. <i>Materialia</i> , <b>2022</b> , 101451	3.2	0
3	Microstructural Evolution of Nanocrystalline ZrO <sub>2</sub> in a Fe Matrix During High-Temperature Exposure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2018</b> , 49, 3565-3574	2.3	
2	Study of Texture in Ultra Fine Grained Dual Phase Steel Sheets. <i>Materials Science Forum</i> , <b>2011</b> , 702-703, 806-809	0.4	
1	A physically based model of the effect of recovery and clustering on recrystallization kinetics. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 7082-7093	4.3	