

Soon H Hong

List of Publications by Year in descending order

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204
papers

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26567

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103
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all docs

212
docs citations

212
times ranked

11987
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Photoluminescence of Graphene Quantum Dots through the Charge Transfer Effect of Functional Groups. ACS Nano, 2013, 7, 1239-1245.	7.3	745
2	Extraordinary Strengthening Effect of Carbon Nanotubes in Metal-Matrix Nanocomposites Processed by Molecular-Level Mixing. Advanced Materials, 2005, 17, 1377-1381.	11.1	592
3	Enhanced Mechanical Properties of Graphene/Copper Nanocomposites Using a Molecular-Level Mixing Process. Advanced Materials, 2013, 25, 6724-6729.	11.1	590
4	Scalable Exfoliation Process for Highly Soluble Boron Nitride Nanoplatelets by Hydroxide-Assisted Ball Milling. Nano Letters, 2015, 15, 1238-1244.	4.5	486
5	Versatile Carbon Hybrid Films Composed of Vertical Carbon Nanotubes Grown on Mechanically Compliant Graphene Films. Advanced Materials, 2010, 22, 1247-1252.	11.1	307
6	Electrical and mechanical properties of carbon nanotube reinforced copper nanocomposites fabricated by electroless deposition process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 513-514, 247-253.	2.6	283
7	Microstructures and tensile behavior of carbon nanotube reinforced Cu matrix nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 430, 27-33.	2.6	252
8	Synergistic strengthening by load transfer mechanism and grain refinement of CNT/Al-Cu composites. Carbon, 2012, 50, 2417-2423.	5.4	233
9	Strengthening and toughening of carbon nanotube reinforced alumina nanocomposite fabricated by molecular level mixing process. Scripta Materialia, 2005, 53, 793-797.	2.6	222
10	Spark plasma sintering behavior of nanocrystalline WC-10Co cemented carbide powders. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 351, 31-38.	2.6	216
11	Improvement of modulus, strength and fracture toughness of CNT/Epoxy nanocomposites through the functionalization of carbon nanotubes. Composites Part B: Engineering, 2017, 129, 169-179.	5.9	194
12	High-Strength Carbon Nanotube Fibers Fabricated by Infiltration and Curing of Mussel-Inspired Catecholamine Polymer. Advanced Materials, 2011, 23, 1971-1975.	11.1	193
13	Fabrication of high temperature oxides dispersion strengthened tungsten composites by spark plasma sintering process. International Journal of Refractory Metals and Hard Materials, 2009, 27, 842-846.	1.7	185
14	Enhanced Mechanical Properties of Epoxy Nanocomposites by Mixing Noncovalently Functionalized Boron Nitride Nanoflakes. Small, 2013, 9, 2602-2610.	5.2	183
15	Ultra-high strength WNbMoTaV high-entropy alloys with fine grain structure fabricated by powder metallurgical process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 616-624.	2.6	180
16	The Role of Interfacial Oxygen Atoms in the Enhanced Mechanical Properties of Carbon-Nanotube-Reinforced Metal Matrix Nanocomposites. Small, 2008, 4, 1936-1940.	5.2	177
17	Effect of aspect ratios of in situ formed TiB whiskers on the mechanical properties of TiB/Ti-6Al-4V composites. Scripta Materialia, 2012, 66, 487-490.	2.6	175
18	Comparison to mechanical properties of epoxy nanocomposites reinforced by functionalized carbon nanotubes and graphene nanoplatelets. Composites Part B: Engineering, 2019, 162, 283-288.	5.9	170

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19	Microstructures of binderless tungsten carbides sintered by spark plasma sintering process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 356, 381-389.	2.6	167
20	Generalized shear-lag model for load transfer in SiC/Al metal-matrix composites. <i>Journal of Materials Research</i> , 2003, 18, 2851-2858.	1.2	160
21	Functionalization of carbon nanotubes for fabrication of CNT/epoxy nanocomposites. <i>Materials and Design</i> , 2016, 95, 1-8.	3.3	159
22	Fabrication of carbon nanotube reinforced alumina matrix nanocomposite by sol-gel process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 395, 124-128.	2.6	152
23	Hardness and wear resistance of carbon nanotube reinforced Cu matrix nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 46-50.	2.6	144
24	Enhanced conduction and charge-selectivity by N-doped graphene flakes in the active layer of bulk-heterojunction organic solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 3000.	15.6	127
25	Fabrication and properties of mechanically alloyed oxide-dispersed tungsten heavy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 363, 179-184.	2.6	122
26	Simultaneous strengthening and toughening of reduced graphene oxide/alumina composites fabricated by molecular-level mixing process. <i>Carbon</i> , 2014, 78, 212-219.	5.4	116
27	Direct Insulation to Conduction Transformation of Adhesive Catecholamine for Simultaneous Increases of Electrical Conductivity and Mechanical Strength of CNT Fibers. <i>Advanced Materials</i> , 2015, 27, 3250-3255.	11.1	113
28	Enhanced Durability of Polymer Electrolyte Membrane Fuel Cells by Functionalized 2D Boron Nitride Nanoflakes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7751-7758.	4.0	106
29	The fabrication process and mechanical properties of SiCp/Al-Si metal matrix composites for automobile air-conditioner compressor pistons. <i>Journal of Materials Processing Technology</i> , 2001, 113, 202-208.	3.1	103
30	Microstructure and mechanical properties of mechanically alloyed and solid-state sintered tungsten heavy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 291, 91-96.	2.6	101
31	Enhanced Electrical Networks of Stretchable Conductors with Small Fraction of Carbon Nanotube/Graphene Hybrid Fillers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3319-3325.	4.0	97
32	Effect of thermomechanical treatments on microstructure and properties of Cu-base leadframe alloy. <i>Journal of Materials Science</i> , 2000, 35, 3641-3646.	1.7	96
33	Microstructure and mechanical properties of nanocrystalline WC-10Co cemented carbides. <i>Scripta Materialia</i> , 2001, 44, 1535-1539.	2.6	93
34	Combination of mechanical alloying and two-stage sintering of a 93W-5.6Ni-1.4Fe tungsten heavy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 344, 253-260.	2.6	90
35	Analytical study on the 3D-printed structure and mechanical properties of basalt fiber-reinforced PLA composites using X-ray microscopy. <i>Composites Science and Technology</i> , 2019, 175, 18-27.	3.8	88
36	Effect of CNTs on precipitation hardening behavior of CNT/Al-Cu composites. <i>Carbon</i> , 2012, 50, 4809-4814.	5.4	87

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37	Title is missing!. Journal of Materials Science, 2000, 35, 6231-6236.	1.7	86
38	Microstructure and bonding mechanism of Al/Ti bonded joint using Al ₂ O ₃ /Mg filler metal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 355, 231-240.	2.6	86
39	Influence of embedded-carbon nanotubes on the thermal properties of copper matrix nanocomposites processed by molecular-level mixing. Scripta Materialia, 2011, 64, 181-184.	2.6	86
40	Mechanical properties of WC-Co cemented carbides sintered from nanocrystalline spray conversion processed powders. International Journal of Refractory Metals and Hard Materials, 2001, 19, 397-403.	1.7	82
41	Mechanical and electrical properties of cross-linked carbon nanotubes. Carbon, 2008, 46, 482-488.	5.4	82
42	The effect of amino-silane coupling agents having different molecular structures on the mechanical properties of basalt fiber-reinforced polyamide 6,6 composites. Composites Part B: Engineering, 2019, 163, 511-521.	5.9	81
43	Interface analysis of ultra-high strength carbon nanotube/nickel composites processed by molecular level mixing. Carbon, 2013, 57, 282-287.	5.4	79
44	Fabrication and mechanical properties of carbon fiber/epoxy nanocomposites containing high loadings of noncovalently functionalized graphene nanoplatelets. Composites Science and Technology, 2020, 192, 108101.	3.8	73
45	Enhanced Capacitive Deionization by Dispersion of CNTs in Activated Carbon Electrode. ACS Sustainable Chemistry and Engineering, 2018, 6, 1572-1579.	3.2	71
46	Highly entangled carbon nanotube scaffolds by self-organized aqueous droplets. Soft Matter, 2009, 5, 2343-2346.	1.2	70
47	Corrosion resistance of weight reduced Al _x CrFeMoV high entropy alloys. Applied Surface Science, 2019, 485, 368-374.	3.1	69
48	Effects of vacuum hot pressing parameters on the tensile properties and microstructures of SiC-2124 Al composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 194, 165-170.	2.6	65
49	Sintering behaviour and microstructures of carbides and nitrides for the inert matrix fuel by spark plasma sintering. Journal of Nuclear Materials, 2006, 352, 341-348.	1.3	65
50	Ordered, Scalable Heterostructure Comprising Boron Nitride and Graphene for High-Performance Flexible Supercapacitors. Chemistry of Materials, 2016, 28, 7750-7756.	3.2	64
51	Excellent strength-ductility combination in nickel-graphite nanoplatelet (GNP/Ni) nanocomposites. Journal of Alloys and Compounds, 2015, 646, 135-144.	2.8	63
52	Microstructures and mechanical properties of mechanically alloyed and spark plasma sintered Al _{0.3} CoCrFeMnNi high entropy alloy. Materials Chemistry and Physics, 2018, 210, 62-70.	2.0	63
53	Microstructure, mechanical property and Hall-Petch relationship of a light-weight refractory Al _{0.1} CrNbVMo high entropy alloy fabricated by powder metallurgical process. Journal of Alloys and Compounds, 2018, 767, 1012-1021.	2.8	63
54	Mechanical and Electrical Properties of Multiwalled CNT-Alumina Nanocomposites Prepared by a Sequential Two-Step Processing of Ultrasonic Spray Pyrolysis and Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 3774-3779.	1.9	62

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55	Reaction synthesis and microstructures of NiAl/Ni micro-laminated composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 396, 376-384.	2.6	60
56	Enhanced electromagnetic interference shielding behavior of Graphene Nanoplatelet/Ni/Wax nanocomposites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6471-6479.	2.7	58
57	Mechanical alloying process of 93W-5.6Ni-1.4Fe tungsten heavy alloy. <i>Journal of Materials Processing Technology</i> , 1997, 63, 292-297.	3.1	57
58	Field-Emission Behavior of a Carbon-Nanotube-Implanted Co Nanocomposite Fabricated from Pearl-Necklace-Structured Carbon Nanotube/Co Powders. <i>Advanced Materials</i> , 2006, 18, 553-558.	11.1	57
59	Coating of carbon nanotubes on flexible substrate and its adhesion study. <i>Applied Surface Science</i> , 2009, 255, 7084-7089.	3.1	56
60	High-entropy alloy strengthened by in situ formation of entropy-stabilized nano-dispersoids. <i>Scientific Reports</i> , 2018, 8, 14085.	1.6	55
61	Effects of hot extrusion parameters on the tensile properties and microstructures of SiCw-2124Al composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996, 206, 225-232.	2.6	54
62	Tailored Field-Emission Property of Patterned Carbon Nitride Nanotubes by a Selective Doping of Substitutional N(sN) and Pyridine-like N(pN) Atoms. <i>Chemistry of Materials</i> , 2007, 19, 2918-2920.	3.2	54
63	Effect of welding heat input on microstructure and mechanical properties of simulated HAZ in Cu containing microalloyed steel. <i>Journal of Materials Science</i> , 2010, 45, 1248-1254.	1.7	54
64	Effect of fiber geometry on the elastic constants of the plain woven fabric reinforced aluminum matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 347, 346-358.	2.6	53
65	The effect of HfC content on mechanical properties HfC-W composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 44, 49-53.	1.7	52
66	Strengthening of Al _{0.3} CoCrFeMnNi-based ODS high entropy alloys with incremental changes in the concentration of Y ₂ O ₃ . <i>Scripta Materialia</i> , 2019, 162, 477-481.	2.6	52
67	Effect of WC/TiC grain size ratio on microstructure and mechanical properties of WC-TiC-Co cemented carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2006, 24, 109-114.	1.7	50
68	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 1265-1272.	1.7	49
69	Ferromagnetic Cobalt Nanodots, Nanorices, Nanowires and Nanoflowers by Polyol Process. <i>Journal of Materials Research</i> , 2005, 20, 2148-2153.	1.2	49
70	Effect of two-stage sintering process on microstructure and mechanical properties of ODS tungsten heavy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 458, 323-329.	2.6	49
71	Effect of oxidation of SiC particles on mechanical properties and wear behavior of SiCp/Al6061 composites. <i>Journal of Alloys and Compounds</i> , 2018, 769, 282-292.	2.8	49
72	Enhancement of the mechanical properties of basalt fiber-reinforced polyamide 6,6 composites by improving interfacial bonding strength through plasma-polymerization. <i>Composites Science and Technology</i> , 2019, 182, 107756.	3.8	49

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73	Bilayer thickness effects on nanoindentation behavior of Ag/Ni multilayers. Scripta Materialia, 2007, 57, 703-706.	2.6	48
74	Dynamic deformation behavior of an oxide-dispersed tungsten heavy alloy fabricated by mechanical alloying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 2011-2020.	1.1	45
75	Enhancement of toughness and wear resistance in boron nitride nanoplatelet (BNNP) reinforced Si ₃ N ₄ nanocomposites. Scientific Reports, 2016, 6, 27609.	1.6	45
76	Characterization of elastic moduli of Cu thin films using nanoindentation technique. Composites Science and Technology, 2005, 65, 1401-1408.	3.8	44
77	Microstructure and tensile behavior of Al and Al-matrix carbon nanotube composites processed by high pressure torsion of the powders. Journal of Materials Science, 2010, 45, 4652-4658.	1.7	44
78	Biomimetic Artificial Nacre: Boron Nitride Nanosheets/Gelatin Nanocomposites for Biomedical Applications. Advanced Functional Materials, 2018, 28, 1805948.	7.8	44
79	Superior mechanical properties and strengthening mechanisms of lightweight Al _x CrNbVMo refractory high-entropy alloys (x = 0, 0.5, 1.0) fabricated by the powder metallurgy process. Journal of Materials Science and Technology, 2021, 69, 32-41.	5.6	43
80	Synergistic Strengthening Effect of Ultrafine-Grained Metals Reinforced with Carbon Nanotubes. Small, 2007, 3, 840-844.	5.2	42
81	Ice-Templated Bimodal-Porous Silver Nanowire/PDMS Nanocomposites for Stretchable Conductor. ACS Applied Materials & Interfaces, 2018, 10, 21666-21671.	4.0	39
82	Effect of mechanical alloying process on microstructure and mechanical properties of ODS tungsten heavy alloys. Journal of Alloys and Compounds, 2007, 434-435, 433-436.	2.8	38
83	Highly dispersed carbon nanotubes in organic media for polymer:fullerene photovoltaic devices. Carbon, 2012, 50, 40-46.	5.4	37
84	Synergistic outstanding strengthening behavior of graphene/copper nanocomposites. Composites Part B: Engineering, 2019, 176, 107235.	5.9	37
85	Transition in microstructural and mechanical behavior by reduction of sigma-forming element content in a novel high entropy alloy. Materials and Design, 2018, 145, 11-19.	3.3	35
86	In-situ synthesis of TiC/Fe alloy composites with high strength and hardness by reactive sintering. Journal of Materials Science and Technology, 2018, 34, 1397-1404.	5.6	35
87	Effect of liquid phase composition on the microstructure and properties of (W,Ti)C cemented carbide cutting tools. International Journal of Refractory Metals and Hard Materials, 2009, 27, 83-89.	1.7	34
88	Conformal coating of titanium suboxide on carbon nanotube networks by atomic layer deposition for inverted organic photovoltaic cells. Carbon, 2012, 50, 4483-4488.	5.4	34
89	The effects of deformation twins and strain-induced μ -martensite on mechanical properties of an Fe-32Mn-12Cr-0.4C cryogenic alloy. Scripta Metallurgica Et Materialia, 1995, 32, 1489-1494.	1.0	33
90	Enhanced electrical properties in carbon nanotube/poly (3-hexylthiophene) nanocomposites formed through non-covalent functionalization. Nano Research, 2011, 4, 1129-1135.	5.8	33

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91	Nanoporous cobalt foam and a Co/Co(OH) ₂ core-shell structure for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9802.	5.2	33
92	Design and application of carbon nanomaterials for photoactive and charge transport layers in organic solar cells. <i>Nano Convergence</i> , 2016, 3, 8.	6.3	32
93	Strength versus ductility in carbon nanotube reinforced nickel matrix nanocomposites. <i>Journal of Materials Research</i> , 2014, 29, 761-769.	1.2	31
94	Enhanced mechanical properties of spark plasma sintered NiTi composites reinforced with carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2014, 617, 505-510.	2.8	31
95	3D microstructural characterization and mechanical properties determination of short basalt fiber-reinforced polyamide 6,6 composites. <i>Composites Part B: Engineering</i> , 2020, 187, 107839.	5.9	31
96	High conductivity and stretchability of 3D welded silver nanowire filled graphene aerogel hybrid nanocomposites. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8211-8218.	2.7	31
97	Effect of oxide dispersoids addition on mechanical properties of tungsten heavy alloy fabricated by mechanical alloying process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 452-453, 55-60.	2.6	30
98	Effect of size and location of spherical pores on transverse rupture strength of WC-Co cemented carbides. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 404-408.	2.6	30
99	A new hybrid architecture consisting of highly mesoporous CNT/carbon nanofibers from starch. <i>Journal of Materials Chemistry</i> , 2012, 22, 20554.	6.7	30
100	Polycrystalline cubic boron nitride sintered compacts prepared from nanocrystalline TiN coated cBN powder. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 552, 151-156.	2.6	30
101	Morphology-controlled synthesis of Co ₃ O ₄ composites with bio-inspired carbons as high-performance supercapacitor electrode materials. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 96-102.	2.9	30
102	Anisotropic microstructure dependent mechanical behavior of 3D-printed basalt fiber-reinforced thermoplastic composites. <i>Composites Part B: Engineering</i> , 2021, 224, 109184.	5.9	30
103	The effect of Al on mechanical properties and microstructures of Fe-32Mn-12Cr-xAl-0.4C cryogenic alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 222, 76-83.	2.6	28
104	Elevated temperature ablation resistance of HfC particle-reinforced tungsten composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 43, 89-93.	1.7	28
105	Surface modification effects of SiC tile on the wettability and interfacial bond strength of SiC tile/Al7075-SiCp hybrid composites. <i>Surface and Coatings Technology</i> , 2016, 307, 399-406.	2.2	28
106	Matrix pools in a partially mechanically alloyed tungsten heavy alloy for localized shear deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 333, 187-192.	2.6	27
107	Strength enhancement and density reduction by the addition of Al in CrFeMoV based high-entropy alloy fabricated through powder metallurgy. <i>Materials and Design</i> , 2018, 157, 97-104.	3.3	27
108	Intermixing criteria for reaction synthesis of Ni/Al multilayered microfoils. <i>Scripta Materialia</i> , 2006, 54, 1715-1719.	2.6	25

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109	Mechanical and Electrical Properties of Carbon Nanotube/Cu Nanocomposites by Molecular-Level Mixing and Controlled Oxidation Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 78-84.	0.9	25
110	Microstructure and mechanical properties of SiC-nanowire-augmented tungsten composites. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9060-9064.	2.8	25
111	Microstructure and mechanical properties of CNT/Ag nanocomposites fabricated by spark plasma sintering. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 588-596.	1.3	25
112	Fabrication of TiN/cBN and TiC/diamond coated particles by titanium deposition process. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3562-3570.	1.7	24
113	Hardness and Wear Resistance of Carbon Nanotube Reinforced Aluminum-Copper Matrix Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 9134-9138.	0.9	23
114	Effects of silanization and modification treatments on the stiffness and toughness of BF/SEBS/PA6,6 hybrid composites. <i>Composites Part B: Engineering</i> , 2019, 173, 106922.	5.9	23
115	Enhanced mechanical and wear properties of Al6061 alloy nanocomposite reinforced by CNT-template-grown core-shell CNT/SiC nanotubes. <i>Scientific Reports</i> , 2020, 10, 12896.	1.6	23
116	Enhanced mechanical properties of boron nitride nanosheet/copper nanocomposites via a molecular-level mixing process. <i>Composites Part B: Engineering</i> , 2020, 195, 108088.	5.9	23
117	Salting-out as a scalable, in-series purification method of graphene oxides from microsheets to quantum dots. <i>Carbon</i> , 2013, 63, 45-53.	5.4	22
118	High temperature deformation behavior of 20 vol.% metal matrix composite. <i>Scripta Metallurgica Et Materialia</i> , 1994, 30, 297-302.	1.0	21
119	Mechanism for controlling the shape of Cu nanocrystals prepared by the polyol process. <i>Journal of Materials Research</i> , 2006, 21, 2371-2378.	1.2	21
120	Effect of binder compositions on microstructure, hardness and magnetic properties of (Ta,Nb)C-Co and (Ta,Nb)C-Ni cemented carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 669-675.	1.7	21
121	Fabrication of ZrO ₂ -based nanocomposites for transuranic element-burning inert matrix fuel. <i>Nuclear Engineering and Technology</i> , 2015, 47, 617-623.	1.1	21
122	Strengthening effect of melamine functionalized low-dimension carbon at fiber reinforced polymer composites and their interlaminar shear behavior. <i>Composites Part B: Engineering</i> , 2019, 173, 106976.	5.9	21
123	Title is missing!. <i>Journal of Materials Science</i> , 1999, 34, 329-336.	1.7	20
124	Fabrication, microstructure and mechanical property of a novel Nb-rich refractory high-entropy alloy strengthened by in-situ formation of dispersoids. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 81, 15-20.	1.7	20
125	Analytical modeling to calculate the hardness of ultra-fine WC-Co cemented carbides. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 489, 234-244.	2.6	19
126	Microstructures and enhanced mechanical properties of an oxide dispersion-strengthened Ni-rich high entropy superalloy fabricated by a powder metallurgical process. <i>Journal of Alloys and Compounds</i> , 2020, 839, 155724.	2.8	19

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127	The effects of thermo-mechanical treatments on superplasticity of Fe-24Cr-7Ni-3Mo-0.14N duplex stainless steel. <i>Scripta Materialia</i> , 1997, 36, 557-563.	2.6	18
128	A thickness modulation effect of HfO ₂ interfacial layer between double-stacked Ag nanocrystals for nonvolatile memory device applications. <i>Journal of Applied Physics</i> , 2007, 101, 026109.	1.1	18
129	High Temperature Deformation Behavior and Microstructural Evolution of Ti-47Al-2Cr-4Nb Intermetallic Alloys. <i>Scripta Materialia</i> , 1998, 38, 1517-1523.	2.6	17
130	Fabrication of biomorphic SiC composites using wood preforms with different structures. <i>Ceramics International</i> , 2012, 38, 3089-3095.	2.3	17
131	Synthesis of multi-walled carbon nanotube/silver nanocomposite powders by chemical reduction in aqueous solution. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 742-751.	1.3	17
132	The design and fabrication of a multilayered graded GNP/Ni/PMMA nanocomposite for enhanced EMI shielding behavior. <i>RSC Advances</i> , 2019, 9, 11289-11295.	1.7	17
133	Modification of anisotropic mechanical properties in recrystallized oxide dispersion strengthened ferritic alloy. <i>Scripta Materialia</i> , 2006, 54, 1703-1707.	2.6	16
134	Boron nitride nanoplatelets as reinforcement material for dental ceramics. <i>Dental Materials</i> , 2020, 36, 744-754.	1.6	16
135	Characterization of Carbon Nanotubes/Cu Nanocomposites Processed by Using Nano-sized Cu Powders. <i>Materials Research Society Symposia Proceedings</i> , 2004, 821, 134.	0.1	14
136	Fabrication of Al ₂ O ₃ /AlN micro-composites designed for tailored physical properties. <i>Materials and Design</i> , 2015, 86, 1-5.	3.3	14
137	Fabrication of protective-coated SiC reinforced tungsten matrix composites with reduced reaction phases by spark plasma sintering. <i>Metals and Materials International</i> , 2016, 22, 493-500.	1.8	14
138	Facile method to sort graphene quantum dots by size through ammonium sulfate addition. <i>RSC Advances</i> , 2014, 4, 56848-56852.	1.7	13
139	Fabrication and characterization of powder metallurgy tantalum components prepared by high compaction pressure technique. <i>Materials Characterization</i> , 2016, 114, 225-233.	1.9	13
140	Sintering behavior, microstructural evolution, and mechanical properties of ultra-fine grained alumina synthesized via in-situ spark plasma sintering. <i>Ceramics International</i> , 2016, 42, 4290-4297.	2.3	13
141	Fabrication of Graphene Nanoplatelet/Epoxy Nanocomposites for Lightweight and High-Strength Structural Applications. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700412.	1.2	13
142	Mechanical and wear properties of SiCp/CNT/Al6061 hybrid metal matrix composites. <i>Diamond and Related Materials</i> , 2022, 124, 108952.	1.8	13
143	Effects of sintering conditions on mechanical properties of mechanically alloyed tungsten heavy alloys. <i>Metals and Materials International</i> , 2001, 7, 221-226.	1.8	12
144	Enhanced Graphitization of Carbon Around Carbon Nanotubes During the Formation of Carbon Nanotube/Graphite Composites by Pyrolysis of Carbon Nanotube/Polyaniline Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7365-7369.	0.9	12

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146	The outstanding tensile strength of Ni-rich high entropy superalloy fabricated by powder metallurgical process. Materials Chemistry and Physics, 2019, 235, 121749.	2.0	12
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