

# Soon H Hong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199  
papers

9,570  
citations

50  
h-index

92  
g-index

212  
ext. papers

10,813  
ext. citations

6.2  
avg, IF

6.39  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 199 | Complex anisotropic fracture behaviors of 3D-printed fiber-reinforced composites based on multi-scale hierarchical microstructure. <i>Composites Science and Technology</i> , <b>2022</b> , 218, 109176  | 8.6  | 1         |
| 198 | Mechanical and wear properties of SiCp/CNT/Al6061 hybrid metal matrix composites. <i>Diamond and Related Materials</i> , <b>2022</b> , 124, 108952   | 3.5  | 2         |
| 197 | Outstanding Strengthening and Toughening Behavior of 3D-Printed Fiber-Reinforced Composites Designed by Biomimetic Interfacial Heterogeneity. <i>Advanced Science</i> , <b>2021</b> , e2103561   | 13.6 | 1         |
| 196 | Superior mechanical properties and strengthening mechanisms of lightweight AlxCrNbVMo refractory high-entropy alloys (x = 0, 0.5, 1.0) fabricated by the powder metallurgy process. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 69, 32-41 | 9.1  | 13        |
| 195 | Strain-induced abnormal grain growth of Fe foils. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 853, 157390   | 5.7  | 1         |
| 194 | Effect of boron addition on the microstructure and mechanical properties of refractory Al <sub>0.1</sub> CrNbVMo high-entropy alloy. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2021</b> , 100, 105636                            | 4.1  | 3         |
| 193 | Anisotropic microstructure dependent mechanical behavior of 3D-printed basalt fiber-reinforced thermoplastic composites. <i>Composites Part B: Engineering</i> , <b>2021</b> , 224, 109184   | 10   | 7         |
| 192 | Enhanced mechanical properties of boron nitride nanosheet/copper nanocomposites via a molecular-level mixing process. <i>Composites Part B: Engineering</i> , <b>2020</b> , 195, 108088  | 10   | 9         |
| 191 | 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> , <b>2020</b> , 839, 155724                          | 5.7  | 9         |
| 190 | Fabrication and mechanical properties of carbon fiber/epoxy nanocomposites containing high loadings of noncovalently functionalized graphene nanoplatelets. <i>Composites Science and Technology</i> , <b>2020</b> , 192, 108101                                 | 8.6  | 36        |
| 189 | Enhanced mechanical and wear properties of Al6061 alloy nanocomposite reinforced by CNT-template-grown core-shell CNT/SiC nanotubes. <i>Scientific Reports</i> , <b>2020</b> , 10, 12896   | 4.9  | 11        |
| 188 | 3D microstructural characterization and mechanical properties determination of short basalt fiber-reinforced polyamide 6,6 composites. <i>Composites Part B: Engineering</i> , <b>2020</b> , 187, 107839   | 10   | 16        |
| 187 | Boron nitride nanoplatelets as reinforcement material for dental ceramics. <i>Dental Materials</i> , <b>2020</b> , 36, 744-754   | 5.7  | 8         |
| 186 | Effects of silanization and modification treatments on the stiffness and toughness of BF/SEBS/PA6,6 hybrid composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 173, 106922   | 10   | 14        |
| 185 | Strengthening effect of melamine functionalized low-dimension carbon at fiber reinforced polymer composites and their interlaminar shear behavior. <i>Composites Part B: Engineering</i> , <b>2019</b> , 173, 106976   | 10   | 14        |
| 184 | The outstanding tensile strength of Ni-rich high entropy superalloy fabricated by powder metallurgical process. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 235, 121749   | 4.4  | 9         |
| 183 | Corrosion resistance of weight reduced AlxCrFeMoV high entropy alloys. <i>Applied Surface Science</i> , <b>2019</b> , 485, 368-374   | 6.7  | 29        |

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|-----|---|-----|-----|
| 182 | The design and fabrication of a multilayered graded GNP/Ni/PMMA nanocomposite for enhanced EMI shielding behavior.. <i>RSC Advances</i> , <b>2019</b> , 9, 11289-11295  | 3.7 | 11  |
| 181 | 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> , <b>2019</b> , 175, 18-27  | 8.6 | 49  |
| 180 | Synergistic outstanding strengthening behavior of graphene/copper nanocomposites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 176, 107235   | 10  | 28  |
| 179 | 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> , <b>2019</b> , 182, 107756                  | 8.6 | 19  |
| 178 | Effect of pyrolyzed catecholamine polymers for concurrent enhancements of electrical conductivity and mechanical strength of graphene-based fibers. <i>Composites Science and Technology</i> , <b>2019</b> , 183, 107818                                    | 8.6 | 5   |
| 177 | Morphology-controlled synthesis of Co <sub>3</sub> O <sub>4</sub> composites with bio-inspired carbons as high-performance supercapacitor electrode materials. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 74, 96-102            | 6.3 | 17  |
| 176 | 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> , <b>2019</b> , 81, 15-20       | 4.1 | 10  |
| 175 | Strengthening of Al <sub>0.3</sub> CoCrFeMnNi-based ODS high entropy alloys with incremental changes in the concentration of Y <sub>2</sub> O <sub>3</sub> . <i>Scripta Materialia</i> , <b>2019</b> , 162, 477-481   | 5.6 | 30  |
| 174 | Comparison to mechanical properties of epoxy nanocomposites reinforced by functionalized carbon nanotubes and graphene nanoplatelets. <i>Composites Part B: Engineering</i> , <b>2019</b> , 162, 283-288  | 10  | 108 |
| 173 | The effect of amino-silane coupling agents having different molecular structures on the mechanical properties of basalt fiber-reinforced polyamide 6,6 composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 163, 511-521                       | 10  | 43  |
| 172 | Fabrication of Graphene Nanoplatelet/Epoxy Nanocomposites for Lightweight and High-Strength Structural Applications. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700412  | 3.1 | 7   |
| 171 | Transition in microstructural and mechanical behavior by reduction of sigma-forming element content in a novel high entropy alloy. <i>Materials and Design</i> , <b>2018</b> , 145, 11-19   | 8.1 | 26  |
| 170 | In-situ synthesis of TiC/Fe alloy composites with high strength and hardness by reactive sintering. <i>Journal of Materials Science and Technology</i> , <b>2018</b> , 34, 1397-1404  | 9.1 | 19  |
| 169 | Microstructures and mechanical properties of mechanically alloyed and spark plasma sintered Al <sub>0.3</sub> CoCrFeMnNi high entropy alloy. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 210, 62-70  | 4.4 | 47  |
| 168 | Effect of oxidation of SiC particles on mechanical properties and wear behavior of SiCp/Al6061 composites. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 282-292  | 5.7 | 27  |
| 167 | Microstructure, mechanical property and Hall-Petch relationship of a light-weight refractory Al <sub>0.1</sub> CrNbVMo high entropy alloy fabricated by powder metallurgical process. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 767, 1012-1021 | 5.7 | 33  |
| 166 | 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> , <b>2018</b> , 157, 97-104  | 8.1 | 18  |
| 165 | Ice-Templated Bimodal-Porous Silver Nanowire/PDMS Nanocomposites for Stretchable Conductor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 21666-21671   | 9.5 | 25  |

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|-----|---|------|-----|
| 164 | Enhanced Capacitive Deionization by Dispersion of CNTs in Activated Carbon Electrode. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 1572-1579   | 8.3  | 48  |
| 163 | Ultra-high strength WNbMoTaV high-entropy alloys with fine grain structure fabricated by powder metallurgical process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 712, 616-624 | 5.3  | 113 |
| 162 | Biomimetic Artificial Nacre: Boron Nitride Nanosheets/Gelatin Nanocomposites for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1805948  | 15.6 | 23  |
| 161 | High-entropy alloy strengthened by in situ formation of entropy-stabilized nano-dispersoids. <i>Scientific Reports</i> , <b>2018</b> , 8, 14085   | 4.9  | 37  |
| 160 | Enhanced electromagnetic interference shielding behavior of Graphene Nanoplatelet/Ni/Wax nanocomposites. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6471-6479   | 7.1  | 42  |
| 159 | Improvement of modulus, strength and fracture toughness of CNT/Epoxy nanocomposites through the functionalization of carbon nanotubes. <i>Composites Part B: Engineering</i> , <b>2017</b> , 129, 169-179   | 10   | 136 |
| 158 | High conductivity and stretchability of 3D welded silver nanowire filled graphene aerogel hybrid nanocomposites. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 8211-8218   | 7.1  | 27  |
| 157 | Enhancement of toughness and wear resistance in boron nitride nanoplatelet (BNNP) reinforced Si <sub>3</sub> N <sub>4</sub> nanocomposites. <i>Scientific Reports</i> , <b>2016</b> , 6, 27609  | 4.9  | 36  |
| 156 | Fabrication of protective-coated SiC reinforced tungsten matrix composites with reduced reaction phases by spark plasma sintering. <i>Metals and Materials International</i> , <b>2016</b> , 22, 493-500  | 2.4  | 14  |
| 155 | Enhanced Electrical Networks of Stretchable Conductors with Small Fraction of Carbon Nanotube/Graphene Hybrid Fillers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3319-25   | 9.5  | 76  |
| 154 | Functionalization of carbon nanotubes for fabrication of CNT/epoxy nanocomposites. <i>Materials and Design</i> , <b>2016</b> , 95, 1-8  | 8.1  | 125 |
| 153 | Fabrication and characterization of powder metallurgy tantalum components prepared by high compaction pressure technique. <i>Materials Characterization</i> , <b>2016</b> , 114, 225-233  | 3.9  | 8   |
| 152 | Sintering behavior, microstructural evolution, and mechanical properties of ultra-fine grained alumina synthesized via in-situ spark plasma sintering. <i>Ceramics International</i> , <b>2016</b> , 42, 4290-4297  | 5.1  | 9   |
| 151 | Chemical Stability of Carbon Nanotubes in Aluminum Matrix for Casting Process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 12009-12012   | 1.3  |     |
| 150 | Thermal Properties of Carbon Nanotubes Reinforced Aluminum-Copper Matrix Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 12013-12016   | 1.3  | 7   |
| 149 | Design and application of carbon nanomaterials for photoactive and charge transport layers in organic solar cells. <i>Nano Convergence</i> , <b>2016</b> , 3, 8   | 9.2  | 24  |
| 148 | Surface modification effects of SiC tile on the wettability and interfacial bond strength of SiC tile/Al <sub>7075</sub> -SiCp hybrid composites. <i>Surface and Coatings Technology</i> , <b>2016</b> , 307, 399-406   | 4.4  | 21  |
| 147 | Ordered, Scalable Heterostructure Comprising Boron Nitride and Graphene for High-Performance Flexible Supercapacitors. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7750-7756  | 9.6  | 41  |

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| 146 | Dilatometric Analysis and Microstructural Investigation of the Sintering Mechanisms of Blended Elemental Ti-6Al-4V Powders. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 4616-4624 | 2.3  | 7   |
| 145 | Microstructural and Mechanical Characterization of Ti-12Mo-6Zr Biomaterials Fabricated by Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 1385-1393           | 2.3  | 5   |
| 144 | Fabrication of Al <sub>2</sub> O <sub>3</sub> /AlN micro-composites designed for tailored physical properties. <i>Materials and Design</i> , <b>2015</b> , 86, 1-5   | 8.1  | 9   |
| 143 | Fabrication of ZrO <sub>2</sub> -based nanocomposites for transuranic element-burning inert matrix fuel. <i>Nuclear Engineering and Technology</i> , <b>2015</b> , 47, 617-623   | 2.6  | 16  |
| 142 | Direct Insulation-to-Conduction Transformation of Adhesive Catecholamine for Simultaneous Increases of Electrical Conductivity and Mechanical Strength of CNT Fibers. <i>Advanced Materials</i> , <b>2015</b> , 27, 3250-5                             | 24   | 90  |
| 141 | Excellent strength-ductility combination in nickel-graphite nanoplatelet (GNP/Ni) nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 135-144  | 5.7  | 52  |
| 140 | Spark Plasma Sintering (SPS) of Carbon Nanotube (CNT)/Graphene Nanoplatelet (GNP)-Nickel Nanocomposites: Structure Property Analysis <b>2015</b> , 53-79   |      |     |
| 139 | Scalable exfoliation process for highly soluble boron nitride nanoplatelets by hydroxide-assisted ball milling. <i>Nano Letters</i> , <b>2015</b> , 15, 1238-44  | 11.5 | 379 |
| 138 | Spark Plasma Sintering (SPS) of Carbon Nanotube (CNT) / Graphene Nanoplatelet (GNP)-Nickel Nanocomposites: Structure Property Analysis <b>2015</b> , 53-79   |      | 1   |
| 137 | High temperature ablation resistance of ZrNp reinforced W matrix composites. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2014</b> , 42, 17-22  | 4.1  | 9   |
| 136 | Enhanced durability of polymer electrolyte membrane fuel cells by functionalized 2D boron nitride nanoflakes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7751-8  | 9.5  | 87  |
| 135 | A simple/green process for the preparation of composite carbon nanotube fibers/yarns. <i>RSC Advances</i> , <b>2014</b> , 4, 43235-43240   | 3.7  | 6   |
| 134 | Enhanced mechanical properties of spark plasma sintered NiTi composites reinforced with carbon nanotubes. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 617, 505-510  | 5.7  | 25  |
| 133 | Facile method to sort graphene quantum dots by size through ammonium sulfate addition. <i>RSC Advances</i> , <b>2014</b> , 4, 56848-56852  | 3.7  | 10  |
| 132 | Simultaneous strengthening and toughening of reduced graphene oxide/alumina composites fabricated by molecular-level mixing process. <i>Carbon</i> , <b>2014</b> , 78, 212-219   | 10.4 | 90  |
| 131 | Special issue of the 12th International Symposium on Novel and Nanomaterials 2012. <i>Research on Chemical Intermediates</i> , <b>2014</b> , 40, 2391-2393   | 2.8  |     |
| 130 | Elevated temperature ablation resistance of HfC particle-reinforced tungsten composites. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2014</b> , 43, 89-93  | 4.1  | 21  |
| 129 | Microstructure and mechanical properties of CNT/Ag nanocomposites fabricated by spark plasma sintering. <i>Journal of Experimental Nanoscience</i> , <b>2014</b> , 9, 588-596  | 1.9  | 17  |

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| 128 | Hardness and wear resistance of carbon nanotube reinforced aluminum-copper matrix composites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 9134-8   | 1.3  | 18  |
| 127 | Strength versus ductility in carbon nanotube reinforced nickel matrix nanocomposites. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 761-769  | 2.5  | 26  |
| 126 | Fabrication of TiN/cBN and TiC/diamond coated particles by titanium deposition process. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2014</b> , 24, 3562-3570   | 3.3  | 12  |
| 125 | The effect of HfC content on mechanical properties HfCMW composites. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2014</b> , 44, 49-53   | 4.1  | 40  |
| 124 | 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> , <b>2013</b> , 6, 3000   | 35.4 | 113 |
| 123 | Nanoporous cobalt foam and a Co/Co(OH) <sub>2</sub> core-shell structure for electrochemical applications. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9802  | 13   | 30  |
| 122 | Enhanced mechanical properties of graphene/copper nanocomposites using a molecular-level mixing process. <i>Advanced Materials</i> , <b>2013</b> , 25, 6724-9   | 24   | 481 |
| 121 | Oxidation behavior and ablation properties of MDF-based biomorphic SiC composites. <i>Ceramics International</i> , <b>2013</b> , 39, 7475-7481  | 5.1  | 7   |
| 120 | Non-covalently functionalized single walled carbon nanotube/poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) nanocomposites for organic photovoltaic cell. <i>Synthetic Metals</i> , <b>2013</b> , 181, 92-97                                      | 3.6  | 11  |
| 119 | Tuning the photoluminescence of graphene quantum dots through the charge transfer effect of functional groups. <i>ACS Nano</i> , <b>2013</b> , 7, 1239-45   | 16.7 | 624 |
| 118 | Salting-out as a scalable, in-series purification method of graphene oxides from microsheets to quantum dots. <i>Carbon</i> , <b>2013</b> , 63, 45-53   | 10.4 | 17  |
| 117 | Interface analysis of ultra-high strength carbon nanotube/nickel composites processed by molecular level mixing. <i>Carbon</i> , <b>2013</b> , 57, 282-287  | 10.4 | 65  |
| 116 | Effects of Hot Working on Austenite/Ferrite Transformation in HSLA Steel <b>2013</b> , 633-642  |      |     |
| 115 | Enhanced mechanical properties of epoxy nanocomposites by mixing noncovalently functionalized boron nitride nanoflakes. <i>Small</i> , <b>2013</b> , 9, 2602-10   | 11   | 155 |
| 114 | Synthesis of multi-walled carbon nanotube/silver nanocomposite powders by chemical reduction in aqueous solution. <i>Journal of Experimental Nanoscience</i> , <b>2013</b> , 8, 742-751   | 1.9  | 11  |
| 113 | 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> , <b>2013</b> , 13, 7365-9 | 1.3  | 8   |
| 112 | Field emission behavior of carbon nanotube yarn for micro-resolution X-ray tube cathode. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 7386-90   | 1.3  | 3   |
| 111 | Fabrication process and electromagnetic wave absorption characterization of a CNT/Ni/epoxy nanocomposite. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 7669-74  | 1.3  | 9   |



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| 110 | Effect of aspect ratios of in situ formed TiB whiskers on the mechanical properties of TiBw/TiBAl <sub>3</sub> V composites. <i>Scripta Materialia</i> , <b>2012</b> , 66, 487-490   | 5.6  | 127 |
| 109 | A new hybrid architecture consisting of highly mesoporous CNT/carbon nanofibers from starch. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20554   |      | 24  |
| 108 | Synthesis and characterization of vertically aligned carbon nanotube forest for solid state fiber spinning. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 5653-7  | 1.3  | 2   |
| 107 | Polycrystalline cubic boron nitride sintered compacts prepared from nanocrystalline TiN coated cBN powder. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 552, 151-156              | 5.3  | 22  |
| 106 | Effect of CNTs on precipitation hardening behavior of CNT/AlCu composites. <i>Carbon</i> , <b>2012</b> , 50, 4809-4814   | 10.4 | 62  |
| 105 | Highly dispersed carbon nanotubes in organic media for polymer:fullerene photovoltaic devices. <i>Carbon</i> , <b>2012</b> , 50, 40-46   | 10.4 | 34  |
| 104 | Synergistic strengthening by load transfer mechanism and grain refinement of CNT/AlCu composites. <i>Carbon</i> , <b>2012</b> , 50, 2417-2423  | 10.4 | 184 |
| 103 | Conformal coating of titanium suboxide on carbon nanotube networks by atomic layer deposition for inverted organic photovoltaic cells. <i>Carbon</i> , <b>2012</b> , 50, 4483-4488   | 10.4 | 31  |
| 102 | Fabrication of biomorphic SiC composites using wood preforms with different structures. <i>Ceramics International</i> , <b>2012</b> , 38, 3089-3095  | 5.1  | 13  |
| 101 | Microstructure and mechanical properties of SiC-nanowire-augmented tungsten composites. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9060-9064  | 5.7  | 18  |
| 100 | A sol-gel route to nanocrystalline TiN coated cubic boron nitride particles. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9764-9769   | 5.7  | 6   |
| 99  | Fabrication and characterization of a 3D-structured field emitter using carbon nanotube. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 6076-9   | 1.3  | 1   |
| 98  | Electrical conductive CNT-PVA/PC nanocomposites with high tensile elongation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 597-601   | 1.3  | 4   |
| 97  | Mechanical and Electrical Properties of Multiwalled CNT-Alumina Nanocomposites Prepared by a Sequential Two-Step Processing of Ultrasonic Spray Pyrolysis and Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 3774-3779 | 3.8  | 56  |
| 96  | Influence of embedded-carbon nanotubes on the thermal properties of copper matrix nanocomposites processed by molecular-level mixing. <i>Scripta Materialia</i> , <b>2011</b> , 64, 181-184  | 5.6  | 71  |
| 95  | Enhanced electrical properties in carbon nanotube/poly (3-hexylthiophene) nanocomposites formed through non-covalent functionalization. <i>Nano Research</i> , <b>2011</b> , 4, 1129-1135  | 10   | 31  |
| 94  | High-strength carbon nanotube fibers fabricated by infiltration and curing of mussel-inspired catecholamine polymer. <i>Advanced Materials</i> , <b>2011</b> , 23, 1971-5  | 24   | 175 |
| 93  | Preparation of nanocrystalline TiN coated cubic boron nitride powders by a sol-gel process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 363-7   | 1.3  | 5   |

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| 92 | Mechanical and electrical properties of carbon nanotube/Cu nanocomposites by molecular-level mixing and controlled oxidation process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 78-84  | 1.3  | 19  |
| 91 | Bonding Quality of Copper-Nickel Fine Clad Metal Prepared by Surface Activated Bonding. <i>Materials Transactions</i> , <b>2010</b> , 51, 787-792   | 1.3  | 1   |
| 90 | Effect of welding heat input on microstructure and mechanical properties of simulated HAZ in Cu containing microalloyed steel. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 1248-1254  | 4.3  | 44  |
| 89 | Microstructure and tensile behavior of Al and Al-matrix carbon nanotube composites processed by high pressure torsion of the powders. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 4652-4658   | 4.3  | 39  |
| 88 | Versatile carbon hybrid films composed of vertical carbon nanotubes grown on mechanically compliant graphene films. <i>Advanced Materials</i> , <b>2010</b> , 22, 1247-52   | 24   | 282 |
| 87 | Effect of liquid phase composition on the microstructure and properties of (W,Ti)C cemented carbide cutting tools. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2009</b> , 27, 83-89   | 4.1  | 28  |
| 86 | Effect of binder compositions on microstructure, hardness and magnetic properties of (Ta,Nb)C <sub>0.8</sub> and (Ta,Nb)C <sub>0.6</sub> cemented carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2009</b> , 27, 669-675                          | 4.1  | 19  |
| 85 | Fabrication of high temperature oxides dispersion strengthened tungsten composites by spark plasma sintering process. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2009</b> , 27, 842-846  | 4.1  | 145 |
| 84 | Electrical and mechanical properties of carbon nanotube reinforced copper nanocomposites fabricated by electroless deposition process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 513-514, 247-253 | 5.3  | 238 |
| 83 | Coating of carbon nanotubes on flexible substrate and its adhesion study. <i>Applied Surface Science</i> , <b>2009</b> , 255, 7084-7089   | 6.7  | 46  |
| 82 | Multi-walled carbon nanotube/Co composite field emitters fabricated by in situ spray coating. <i>Carbon</i> , <b>2009</b> , 47, 1276-1281   | 10.4 | 8   |
| 81 | Highly entangled carbon nanotube scaffolds by self-organized aqueous droplets. <i>Soft Matter</i> , <b>2009</b> , 5, 2343-2346  | 3.6  | 68  |
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