

Debrupa Lahiri

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8856191/debrupa-lahiri-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

119
papers

5,438
citations

38
h-index

72
g-index

123
ext. papers

6,211
ext. citations

5.4
avg, IF

6.04
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 119 | Physico-chemical Modifications of Magnesium and Alloys for Biomedical Applications 2022 , 131-180 | | |
| 118 | Extracts Prevent Hyperglycemia in Type 2 Diabetes Mellitus.. <i>Preventive Nutrition and Food Science</i> , 2022 , 27, 50-62 | 2.4 | 1 |
| 117 | Multilayered porous hydroxyapatite coating on Ti6Al4V implant with enhanced drug delivery and antimicrobial properties. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 70, 103155 | 4.5 | 0 |
| 116 | Assessment of protein adhesion behaviour and biocompatibility of magnesium/Co-substituted HA-based composites for orthopaedic application.. <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 707-719 | 7.9 | 1 |
| 115 | Biocompatibility and biodegradability evaluation of magnesium-based intramedullary bone implants in avian model. <i>Journal of Biomedical Materials Research - Part A</i> , 2021 , 109, 1479-1489 | 5.4 | 0 |
| 114 | Nutraceutical regulation of miRNAs involved in neurodegenerative diseases and brain cancers. <i>Heliyon</i> , 2021 , 7, e07262 | 3.6 | 1 |
| 113 | Synthesis and evaluation of magnesium/co-precipitated hydroxyapatite based composite for biomedical application. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 118, 104460 | 4.1 | 4 |
| 112 | Electrophoretically deposited graphene oxide with modified substrate/suspension interface for tailored field emission response. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 197-207 | 2.6 | 2 |
| 111 | Analysis of neural cell behaviour on anisotropic electrically conductive polymeric biodegradable scaffolds reinforced with carbon nanotubes. <i>Medical Devices & Sensors</i> , 2021 , 4, e10152 | 1.6 | 2 |
| 110 | Effect of multi-axial hot forging process on mechanical, and corrosion resistance behavior of Mg-3Zn alloy for temporary orthopedic implants. <i>Engineering Reports</i> , 2021 , 3, e12286 | 1.2 | 0 |
| 109 | Recent Trends in Electrospinning for the Preparation of Ultrathin Plastic and Polymer Fibers for Bio-Medical Applications 2021 , | | |
| 108 | Decellularized xenogenic cartilage extracellular matrix (ECM) scaffolds for the reconstruction of osteochondral defects in rabbits. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4873-4894 | 7.3 | 3 |
| 107 | Quantifying nanodiamonds assisted exfoliation of graphene and its effect on toughening behaviour of composite structure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 132, 105840 | 8.4 | 5 |
| 106 | Investigation of crystallinity, mechanical properties, fracture toughness and cell proliferation in plasma sprayed graphene nano platelets reinforced hydroxyapatite coating. <i>Materials Research Express</i> , 2020 , 7, 015415 | 1.7 | 4 |
| 105 | Functionally gradient magnesium-based composite for temporary orthopaedic implant with improved corrosion resistance and osteogenic properties. <i>Biomedical Materials (Bristol)</i> , 2020 , 16, 015017 | 3.5 | 9 |
| 104 | Distinct Levels of Adhesion Energy of Grown CuO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3527-3534 | 1.3 | |
| 103 | Evaluating the effect of addition of nanodiamond on the synergistic effect of graphene-carbon nanotube hybrid on the mechanical properties of epoxy based composites. <i>Polymer Testing</i> , 2020 , 81, 106274 | 4.5 | 21 |

| | | | |
|-----|---|-----|----|
| 102 | Assessment of biomechanical stability and formulation of a statistical model on magnesium based composite in two different milieus. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 111, 103980 | 4.1 | 4 |
| 101 | The influence of bioactive hydroxyapatite shape and size on the mechanical and biodegradation behaviour of magnesium based composite. <i>Ceramics International</i> , 2020 , 46, 27205-27218 | 5.1 | 16 |
| 100 | Anisotropically Conductive Biodegradable Scaffold with Coaxially Aligned Carbon Nanotubes for Directional Regeneration of Peripheral Nerves.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5796-5812 | 4.1 | 11 |
| 99 | Investigating the role of 3D network of carbon nanofillers in improving the mechanical properties of carbon fiber epoxy laminated composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 126, 105601 | 8.4 | 23 |
| 98 | Bioengineered smart trilayer skin tissue substitute for efficient deep wound healing. <i>Materials Science and Engineering C</i> , 2019 , 105, 110140 | 8.3 | 22 |
| 97 | Surface Modified Metallic Orthopedic Implant for Sustained Drug Release and Osteocompatibility.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4181-4192 | 4.1 | 10 |
| 96 | Mg-3Zn/HA Biodegradable Composites Synthesized via Spark Plasma Sintering for Temporary Orthopedic Implants. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 5702-5715 | 1.6 | 12 |
| 95 | Comparative study on the efficacy of the UHMWPE surface modification by chemical etching and electrostatic spraying method for drug release by orthopedic implants. <i>Materials Science and Engineering C</i> , 2019 , 105, 110117 | 8.3 | 5 |
| 94 | Strong and transparent PMMA sheet reinforced with amine functionalized BN nanoflakes for UV-shielding application. <i>Composites Part B: Engineering</i> , 2019 , 176, 107274 | 10 | 21 |
| 93 | Development and Characterization of Acellular Caprine Choncal Cartilage Matrix for Tissue Engineering Applications. <i>Cartilage</i> , 2019 , 1947603519855769 | 3 | 4 |
| 92 | Surface modification of CNT reinforced UHMWPE composite for sustained drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 52, 748-759 | 4.5 | 14 |
| 91 | Spatial distribution of nanodiamond and its effect on mechanical behaviour of epoxy based composite using 2D modulus mapping. <i>Mechanics of Materials</i> , 2019 , 135, 114-128 | 3.3 | 8 |
| 90 | Au nanoparticle-decorated aragonite microdumbbells for enhanced antibacterial and anticancer activities. <i>Materials Science and Engineering C</i> , 2019 , 103, 109734 | 8.3 | 9 |
| 89 | Protein adsorption and biodegradation behaviour of Mg β Zn/HA for biomedical application. <i>Nanomaterials and Energy</i> , 2019 , 8, 23-32 | 1.1 | 8 |
| 88 | Differential in vitro degradation and protein adhesion behaviour of spark plasma sintering fabricated magnesium-based temporary orthopaedic implant in serum and simulated body fluid. <i>Biomedical Materials (Bristol)</i> , 2019 , 15, 015006 | 3.5 | 7 |
| 87 | The Evolving Neural Tissue Engineering Landscape of India.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 5446-5459 | 4.1 | 2 |
| 86 | In Vitro Biodegradation and Biocompatibility of Mg β HA-Based Composites for Orthopaedic Applications: A Review. <i>Journal of the Indian Institute of Science</i> , 2019 , 99, 303-327 | 2.4 | 12 |
| 85 | Differential neural cell adhesion and neurite outgrowth on carbon nanotube and graphene reinforced polymeric scaffolds. <i>Materials Science and Engineering C</i> , 2019 , 97, 539-551 | 8.3 | 30 |

| | | | |
|----|---|------|-----|
| 84 | Mechanical Integrity of Biodegradable Mg ₃ Al Composite During In Vitro Exposure. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 800-809 | 1.6 | 22 |
| 83 | Copper catalyzed growth of hexagonal boron nitride nanotubes on a tungsten substrate. <i>CrystEngComm</i> , 2018 , 20, 2713-2719 | 3.3 | 5 |
| 82 | Effect of graphene and CNT reinforcement on mechanical and thermomechanical behavior of epoxy _A comparative study. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46101 | 2.9 | 33 |
| 81 | Effect of warm rolling and annealing on the mechanical properties of aluminum composite reinforced with boron nitride nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 710, 366-373 | 5.3 | 19 |
| 80 | Mechanical, corrosion and biocompatibility behaviour of Mg-3Zn-HA biodegradable composites for orthopaedic fixture accessories. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 78, 442-454 | 4.1 | 58 |
| 79 | Measurement of bonding strength of thermally reduced graphene oxide with soda lime glass using nanoscratch technique. <i>Materials Today: Proceedings</i> , 2018 , 5, 16338-16345 | 1.4 | 1 |
| 78 | Synthesis of Boron Nitride Nanotubes and Boron Nitride Nanoflakes with Potential Application in Bioimaging. <i>Materials Today: Proceedings</i> , 2018 , 5, 16756-16762 | 1.4 | 10 |
| 77 | Strengthening mechanism in graphene nanoplatelets reinforced aluminum composite fabricated through spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 695, 20-28 | 5.3 | 148 |
| 76 | Sustained drug release from surface modified UHMWPE for acetabular cup lining in total hip implant. <i>Materials Science and Engineering C</i> , 2017 , 77, 649-661 | 8.3 | 13 |
| 75 | Temperature-time dependent transmittance, sheet resistance and bonding energy of reduced graphene oxide on soda lime glass. <i>Applied Surface Science</i> , 2017 , 425, 558-563 | 6.7 | 13 |
| 74 | Thermally reduced graphene oxide film on soda lime glass as transparent conducting electrode. <i>Surface and Coatings Technology</i> , 2017 , 309, 931-937 | 4.4 | 19 |
| 73 | Graphene reinforced metal and ceramic matrix composites: a review. <i>International Materials Reviews</i> , 2017 , 62, 241-302 | 16.1 | 337 |
| 72 | Dry Sliding Wear Behavior of Hafnium-Based Bulk Metallic Glass at Room and Elevated Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 3931-3937 | 1.6 | 7 |
| 71 | Electric field and current assisted alignment of CNT inside polymer matrix and its effects on electrical and mechanical properties. <i>Polymer</i> , 2016 , 89, 119-127 | 3.9 | 57 |
| 70 | Strengthening of Mg based alloy through grain refinement for orthopaedic application. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 59, 57-70 | 4.1 | 63 |
| 69 | Electrophoretic deposition of hydroxyapatite coating on Mg ₂ Zn alloy for orthopaedic application. <i>Surface and Coatings Technology</i> , 2016 , 287, 82-92 | 4.4 | 66 |
| 68 | Aligned carbon nanotube containing scaffolds for neural tissue regeneration. <i>Neural Regeneration Research</i> , 2016 , 11, 1062-3 | 4.5 | 14 |
| 67 | Emergence of fluorescence in boron nitride nanoflakes and its application in bioimaging. <i>RSC Advances</i> , 2016 , 6, 48025-48032 | 3.7 | 23 |

| | | | |
|----|--|------|----|
| 66 | Biocompatibility of ultrafine grained zircaloy-2 produced by cryorolling for medical applications. <i>Materials Science and Engineering C</i> , 2015 , 46, 309-15 | 8.3 | 11 |
| 65 | Quantifying bonding strength of CuO nanotubes with substrate using the nano-scratch technique. <i>Nanotechnology</i> , 2015 , 26, 305701 | 3.4 | 6 |
| 64 | Sol-Gel Derived Hydroxyapatite Coating on Mg-3Zn Alloy for Orthopedic Application. <i>Jom</i> , 2015 , 67, 702-712 | 2.1 | 30 |
| 63 | Aligned carbon nanotube reinforced polymeric scaffolds with electrical cues for neural tissue regeneration. <i>Carbon</i> , 2015 , 95, 715-724 | 10.4 | 67 |
| 62 | Scratch induced deformation behavior of hafnium based bulk metallic glass at multiple load scales. <i>Journal of Non-Crystalline Solids</i> , 2015 , 410, 118-126 | 3.9 | 16 |
| 61 | A novel energy-based method to evaluate indentation modulus and hardness of cementitious materials from nanoindentation load-displacement data. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 2915-2927 | 3.4 | 11 |
| 60 | Atmospheric oxidation effect of silicon-carbon nanotube anode on Li-ion battery performance. <i>Nanomaterials and Energy</i> , 2015 , 4, 153-158 | 1.1 | 1 |
| 59 | Effects of carbon nanotube aspect ratio on strengthening and tribological behavior of ultra high molecular weight polyethylene composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 76, 62-72 | 8.4 | 64 |
| 58 | Microstructure dependent elastic modulus variation in NiTi shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 633, 71-74 | 5.7 | 11 |
| 57 | Processing and Nanomechanical Properties of Hydroxyapatite-Nanotube Biocomposite 2015 , 260-283 | | |
| 56 | Medical Applications of Hierarchical Composites 2015 , 203-237 | | |
| 55 | Interfacial bonding characteristics between graphene and dielectric substrates. <i>Nanotechnology</i> , 2014 , 25, 045707 | 3.4 | 25 |
| 54 | Scratch-Induced Deformation Behavior of Cold-Sprayed Aluminum Amorphous/Nanocrystalline Coatings at Multiple Load Scales. <i>Journal of Thermal Spray Technology</i> , 2014 , 23, 502-513 | 2.5 | 18 |
| 53 | Nanotribological behavior of graphene nanoplatelet reinforced ultra high molecular weight polyethylene composites. <i>Tribology International</i> , 2014 , 70, 165-169 | 4.9 | 79 |
| 52 | Dry sliding wear behavior of cold sprayed aluminum amorphous/nanocrystalline alloy coatings. <i>Surface and Coatings Technology</i> , 2014 , 238, 118-125 | 4.4 | 38 |
| 51 | Direct observation of carbon nanotube induced strengthening in aluminum composite via in situ tensile tests. <i>Carbon</i> , 2014 , 69, 79-85 | 10.4 | 40 |
| 50 | Oxidation behavior of graphene nanoplatelet reinforced tantalum carbide composites in high temperature plasma flow. <i>Carbon</i> , 2014 , 67, 398-408 | 10.4 | 54 |
| 49 | Effect of Alumina Dispersion on Microstructural and Nanomechanical Properties of Pulse Electrodeposited Nickel-Alumina Composite Coatings. <i>Journal of Materials Science and Technology</i> , 2014 , 30, 808-813 | 9.1 | 10 |

| | | | |
|----|---|------|-----|
| 48 | Cold sprayed aluminum based glassy coating: Synthesis, wear and corrosion properties. <i>Surface and Coatings Technology</i> , 2013 , 232, 33-40 | 4.4 | 43 |
| 47 | Compression Molded Ultra High Molecular Weight Polyethylene/Hydroxyapatite/Aluminum Oxide/Carbon Nanotube Hybrid Composites for Hard Tissue Replacement. <i>Journal of Materials Science and Technology</i> , 2013 , 29, 514-522 | 9.1 | 43 |
| 46 | Serrated yielding during nanoindentation of thermomechanically processed novel Mg/Li/Al/Sn and Mg/Li/Al/Sn/Zn alloys. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 145304 | 3 | 14 |
| 45 | Nanodynamic mechanical behavior of graphene nanoplatelet-reinforced tantalum carbide. <i>Scripta Materialia</i> , 2013 , 69, 678-681 | 5.6 | 32 |
| 44 | Graphene NanoPlatelets reinforced tantalum carbide consolidated by spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 582, 338-346 | 5.3 | 117 |
| 43 | Photocatalytic activity of spark plasma sintered TiO ₂ /graphene nanoplatelet composite. <i>Scripta Materialia</i> , 2013 , 68, 719-722 | 5.6 | 18 |
| 42 | Ultrahigh-pressure consolidation and deformation of tantalum carbide at ambient and high temperatures. <i>Acta Materialia</i> , 2013 , 61, 4001-4009 | 8.4 | 31 |
| 41 | Boron nitride nanotubes reinforced aluminum composites prepared by spark plasma sintering: Microstructure, mechanical properties and deformation behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 574, 149-156 | 5.3 | 56 |
| 40 | Measurements of the adhesion energy of graphene to metallic substrates. <i>Carbon</i> , 2013 , 59, 121-129 | 10.4 | 102 |
| 39 | Graphene-induced strengthening in spark plasma sintered tantalum carbide/nanotube composite. <i>Scripta Materialia</i> , 2013 , 68, 285-288 | 5.6 | 38 |
| 38 | Evaluating initial unloading stiffness from elastic work-of-indentation measured in a nanoindentation experiment. <i>Journal of Materials Research</i> , 2013 , 28, 789-797 | 2.5 | 12 |
| 37 | Carbon nanotube reinforced hydroxyapatite composite for orthopedic application: A review. <i>Materials Science and Engineering C</i> , 2012 , 32, 1727-1758 | 8.3 | 151 |
| 36 | Unfolding the damping behavior of multilayer graphene membrane in the low-frequency regime. <i>ACS Nano</i> , 2012 , 6, 3992-4000 | 16.7 | 38 |
| 35 | Graphene nanoplatelet-induced strengthening of ultrahigh molecular weight polyethylene and biocompatibility in vitro. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2234-41 | 9.5 | 122 |
| 34 | The Tribological Behavior of Plasma-Sprayed Al-Si Composite Coatings Reinforced with Nanodiamond. <i>Jom</i> , 2012 , 64, 702-708 | 2.1 | 13 |
| 33 | Synthesis and properties of bulk graphene nanoplatelets consolidated by spark plasma sintering. <i>Carbon</i> , 2012 , 50, 4068-4077 | 10.4 | 211 |
| 32 | Insight into reactions and interface between boron nitride nanotube and aluminum. <i>Journal of Materials Research</i> , 2012 , 27, 2760-2770 | 2.5 | 37 |
| 31 | In vivo osseointegration of nano-designed composite coatings on titanium implants. <i>ACS Nano</i> , 2011 , 5, 4790-9 | 16.7 | 68 |

| | | | |
|----|---|------|------|
| 30 | Carbon nanotubes: how strong is their bond with the substrate?. <i>ACS Nano</i> , 2011 , 5, 780-7 | 16.7 | 60 |
| 29 | Multi-scale hierarchy of Chelydra serpentina: microstructure and mechanical properties of turtle shell. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011 , 4, 1440-51 | 4.1 | 46 |
| 28 | Nanohardness and Young's modulus of nanopolycrystalline diamond. <i>Scripta Materialia</i> , 2011 , 64, 1019-1022 | 9.2 | 14 |
| 27 | Wear behavior and in vitro cytotoxicity of wear debris generated from hydroxyapatite-carbon nanotube composite coating. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 96, 1-12 | 5.4 | 59 |
| 26 | Carbon nanotubes improve the adhesion strength of a ceramic splat to the steel substrate. <i>Carbon</i> , 2011 , 49, 4340-4347 | 10.4 | 29 |
| 25 | Boron nitride nanotube reinforced hydroxyapatite composite: mechanical and tribological performance and in-vitro biocompatibility to osteoblasts. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011 , 4, 44-56 | 4.1 | 156 |
| 24 | Spark plasma sintered tantalum carbide: Effect of pressure and nano-boron carbide addition on microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1287-1295 | 5.3 | 74 |
| 23 | Spark plasma sintered tantalum carbide-carbon nanotube composite: Effect of pressure, carbon nanotube length and dispersion technique on microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 2538-2547 | 5.3 | 70 |
| 22 | Apatite formability of boron nitride nanotubes. <i>Nanotechnology</i> , 2011 , 22, 205601 | 3.4 | 20 |
| 21 | Quantification of carbon nanotube induced adhesion of osteoblast on hydroxyapatite using nano-scratch technique. <i>Nanotechnology</i> , 2011 , 22, 355703 | 3.4 | 30 |
| 20 | Grain Growth Behavior of Aluminum Oxide Reinforced with Carbon Nanotube During Plasma Spraying and Post Spray Consolidation. <i>International Journal of Applied Ceramic Technology</i> , 2010 , 7, 846-855 | 2.3 | 23 |
| 19 | Carbon nanotube reinforced metal matrix composites - a review. <i>International Materials Reviews</i> , 2010 , 55, 41-64 | 16.1 | 1043 |
| 18 | Microstructure, mechanical properties, and in vitro biocompatibility of spark plasma sintered hydroxyapatite-aluminum oxide-carbon nanotube composite. <i>Materials Science and Engineering C</i> , 2010 , 30, 1162-1169 | 8.3 | 50 |
| 17 | Nanoscratch behavior of carbon nanotube reinforced aluminum coatings. <i>Thin Solid Films</i> , 2010 , 518, 1703-1711 | 2.2 | 62 |
| 16 | Boron nitride nanotube reinforced polylactide-polycaprolactone copolymer composite: mechanical properties and cytocompatibility with osteoblasts and macrophages in vitro. <i>Acta Biomaterialia</i> , 2010 , 6, 3524-33 | 10.8 | 187 |
| 15 | Carbon nanotube toughened hydroxyapatite by spark plasma sintering: Microstructural evolution and multiscale tribological properties. <i>Carbon</i> , 2010 , 48, 3103-3120 | 10.4 | 164 |
| 14 | The hydrophobicity of a lotus leaf: a nanomechanical and computational approach. <i>Nanotechnology</i> , 2009 , 20, 305707 | 3.4 | 29 |
| 13 | The nano-scratch behavior of biocompatible hydroxyapatite reinforced with aluminum oxide and carbon nanotubes. <i>Jom</i> , 2009 , 61, 63-66 | 2.1 | 28 |

| | | | |
|----|--|-----|-----|
| 12 | Effect of carbon nanotube and aluminum oxide addition on plasma-sprayed hydroxyapatite coating's mechanical properties and biocompatibility. <i>Materials Science and Engineering C</i> , 2009 , 29, 2195-2202 | 8.3 | 71 |
| 11 | Dual strengthening mechanisms induced by carbon nanotubes in roll bonded aluminum composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 523, 263-270 | 5.3 | 79 |
| 10 | Carbon nanotube reinforced polylactide-caprolactone copolymer: mechanical strengthening and interaction with human osteoblasts in vitro. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2470-6 | 9.5 | 67 |
| 9 | Tensile properties of carbon nanotube reinforced aluminum nanocomposite fabricated by plasma spray forming. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 589-594 | 8.4 | 145 |
| 8 | Study on sintering kinetics and activation energy of UO ₂ pellets using three different methods. <i>Journal of Nuclear Materials</i> , 2006 , 357, 88-96 | 3.3 | 35 |
| 7 | X-ray diffraction line profile analysis for defect study in Cu-1 wt.% Cr-0.1 wt.% Zr alloy. <i>Materials Characterization</i> , 2005 , 54, 131-140 | 3.9 | 41 |
| 6 | Texture evolution in two phase Zr 2.5 wt-%Nb through modified route. <i>Materials Science and Technology</i> , 2004 , 20, 1281-1289 | 1.5 | 6 |
| 5 | X-ray diffraction line profile analysis for defect study in Zr-2.5% Nb material. <i>Bulletin of Materials Science</i> , 2004 , 27, 59-67 | 1.7 | 27 |
| 4 | Effect of Prior Processing on Superplasticity of Thermomechanically Treated Ti-6Al-4V Alloy. <i>Materials and Manufacturing Processes</i> , 2003 , 18, 621-635 | 4.1 | 7 |
| 3 | X-ray measurement of near surface residual stress in textured cold-worked stress-relieved Zr2.5%Nb pressure tube material. <i>Journal of Nuclear Materials</i> , 2002 , 303, 147-155 | 3.3 | 8 |
| 2 | Polymer Matrix-Based Carbon Nanocomposites for Neural Tissue Engineering | | 0 |
| 1 | Assessment of Interfacial Interaction in Graphene Nanoplatelets and Carbon Fiber-Reinforced Epoxy Matrix Multiscale Composites and Its Effect on Mechanical Behavior. <i>Journal of Materials Engineering and Performance</i> , 1 | 1.6 | 1 |