

Wei Zhou

List of Publications by Year in descending order

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244
papers

6,670
citations

108046

37
h-index

93651

72
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249
all docs

249
docs citations

249
times ranked

5770
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Computational Fluid Dynamics Simulation of Cold Spray Process for Particle Velocity Investigation. Lecture Notes in Mechanical Engineering, 2022, , 244-248. | 0.3 | 0 |
| 2 | Post-processing of Cold Spray Coatings via Rapid Induction Heating. Lecture Notes in Mechanical Engineering, 2022, , 168-172. | 0.3 | 0 |
| 3 | Mitigation of liquation cracking in selective laser melted Inconel 718 through optimization of layer thickness and laser energy density. Journal of Materials Processing Technology, 2022, 299, 117374. | 3.1 | 18 |
| 4 | In-situ formation of TiC nanoparticles in selective laser melting of 316L with addition of micron-sized TiC particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 829, 142179. | 2.6 | 32 |
| 5 | Ambient extrusion induced working hardening and their effect on mechanical properties in AZ31 hot-extrusion bar. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142437. | 2.6 | 6 |
| 6 | Mitigation of solute segregation during solutionization of selective laser melted Inconel 718 through micron-TiC addition. Journal of Alloys and Compounds, 2022, 897, 163224. | 2.8 | 10 |
| 7 | Effect of Interpass Temperature on Wire Arc Additive Manufacturing Using High-Strength Metal-Cored Wire. Metals, 2022, 12, 212. | 1.0 | 19 |
| 8 | Effect of Spray Distance and Powder Feed Rate on Particle Velocity in Cold Spray Processes. Metals, 2022, 12, 75. | 1.0 | 10 |
| 9 | Grain refinement and strengthening of 316L stainless steel through addition of TiC nanoparticles and selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142460. | 2.6 | 52 |
| 10 | Selective Laser Melting of 304L and 316L Stainless Steels: A Comparative Study of Microstructures and Mechanical Properties. Steel Research International, 2022, 93, . | 1.0 | 10 |
| 11 | Post-Processing of Cold Sprayed CoNiCrAlY Coatings on Inconel 718 by Rapid Induction Heating. Metals, 2022, 12, 396. | 1.0 | 4 |
| 12 | Grain refinement of 316L stainless steel through in-situ alloying with Ti in additive manufacturing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 840, 142912. | 2.6 | 29 |
| 13 | Influence of nano-Y2O3 addition on the mechanical properties of selective laser melted Inconel 718. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 845, 143233. | 2.6 | 13 |
| 14 | A New Strategy for Dissimilar Material Joining between SiC and Al Alloys through Use of High-Si Al Alloys. Metals, 2022, 12, 887. | 1.0 | 1 |
| 15 | Cold Spray of Nickel-Based Alloy Coating on Cast Iron for Restoration and Surface Enhancement. Coatings, 2022, 12, 765. | 1.2 | 7 |
| 16 | Vacuum Brazing of Dissimilar Al 7075 and Al-25 Si Alloy. Metals, 2022, 12, 1042. | 1.0 | 1 |
| 17 | Selective Laser Melting of 304L and 316L Stainless Steels: A Comparative Study of Microstructures and Mechanical Properties. Steel Research International, 2022, 93, . | 1.0 | 2 |
| 18 | Effect of welding wires on fatigue property of 7N01-T4 aluminium alloy joints. Science and Technology of Welding and Joining, 2021, 26, 1-10. | 1.5 | 8 |

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|----|--|-----|-----------|
| 19 | Investigation on the anisotropy of mechanical properties along different orientations of an AZ31 hot-extrusion bar. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157108. | 2.8 | 17 |
| 20 | Microstructure and Mechanical Properties of a Two-Phase Mg-Li Alloy Processed By Constrained Groove Pressing. <i>Advanced Engineering Materials</i> , 2021, 23, . | 1.6 | 6 |
| 21 | Magnet-assisted laser hole-cutting in magnesium alloys with and without water immersion. <i>Journal of Manufacturing Processes</i> , 2021, 61, 539-560. | 2.8 | 12 |
| 22 | On the heterogeneous cooling rates in laser-clad Al-50Si alloy. <i>Surface and Coatings Technology</i> , 2021, 408, 126780. | 2.2 | 12 |
| 23 | Hybrid manufacturing of Ti-3TiAl and Ti-6Al-4V bimetal component with enhanced strength using electron beam melting. <i>Composites Part B: Engineering</i> , 2021, 207, 108587. | 5.9 | 24 |
| 24 | Post-Processing of Cold Sprayed Ti-6Al-4V Coatings by Mechanical Peening. <i>Metals</i> , 2021, 11, 1038. | 1.0 | 11 |
| 25 | Induction Brazing for Rapid Localized Repair of Inconel 718. <i>Metals</i> , 2021, 11, 1096. | 1.0 | 4 |
| 26 | Mechanisms of Cracking in Laser Welding of Magnesium Alloy AZ91D. <i>Metals</i> , 2021, 11, 1127. | 1.0 | 9 |
| 27 | Characterization of carbide particle-reinforced 316L stainless steel fabricated by selective laser melting. <i>Materials Characterization</i> , 2021, 179, 111360. | 1.9 | 13 |
| 28 | An investigation into microstructure, tribological and mechanical properties of cold sprayed Inconel 625 coatings. <i>Surface and Coatings Technology</i> , 2021, 424, 127660. | 2.2 | 19 |
| 29 | Inconel 713C Coating by Cold Spray for Surface Enhancement of Inconel 718. <i>Metals</i> , 2021, 11, 2048. | 1.0 | 12 |
| 30 | Hardening Efficiency and Microstructural Changes during Laser Surface Hardening of 50CrMo4 Steel. <i>Metals</i> , 2021, 11, 2015. | 1.0 | 5 |
| 31 | LASER SURFACE HARDENING OF AISI 1055 STEEL IN WATER SUBMERGED CONDITION. <i>Surface Review and Letters</i> , 2020, 27, 1950087. | 0.5 | 0 |
| 32 | Improving the plastic homogeneity of a magnesium alloy by introducing high volume fraction of twins during ambient extrusion. <i>Journal of Materials Processing Technology</i> , 2020, 277, 116445. | 3.1 | 6 |
| 33 | Water-based helical laser hole-cutting in nickel super-alloy GH4049 assisted by longitudinal and transverse magnetic fields with/without ultrasonic assistance. <i>Optics and Lasers in Engineering</i> , 2020, 128, 105985. | 2.0 | 12 |
| 34 | The effect of grain size on texture evolution and mechanical properties of an AZ31 magnesium alloy during cold-rolling process. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153302. | 2.8 | 20 |
| 35 | Digital Twins for Additive Manufacturing: A State-of-the-Art Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8350. | 1.3 | 45 |
| 36 | Selective laser melting of dispersed TiC particles strengthened 316L stainless steel. <i>Composites Part B: Engineering</i> , 2020, 199, 108291. | 5.9 | 116 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Microstructure and mechanical properties of W/steel joints diffusion bonded with Nb and Nb/Ni interlayers by spark plasma sintering. Journal of Adhesion Science and Technology, 2020, 34, 2638-2651. | 1.4 | 10 |
| 38 | Microstructure and Tensile Properties of SiC Particles Reinforced AZ31 Magnesium Alloys Prepared by Multi-pass Friction Stir Processing. Transactions of the Indian Institute of Metals, 2020, 73, 1093-1099. | 0.7 | 3 |
| 39 | Characterization of nanoparticle mixed 316L powder for additive manufacturing. Journal of Materials Science and Technology, 2020, 47, 162-168. | 5.6 | 48 |
| 40 | Effect of crystal orientation and $\langle 110 \rangle$ twins on the corrosion behaviour of AZ31 magnesium alloy. Journal of Alloys and Compounds, 2020, 827, 154096. | 2.8 | 19 |
| 41 | Numerical analysis for stress fields induced by laser trepanning of square-slotted blind holes with and without ultrasonic assistance. Optics and Laser Technology, 2020, 125, 106030. | 2.2 | 2 |
| 42 | Femtosecond laser layered ring trepanning of stainless steel sheets with and without transverse magnetic assistance. Optics and Laser Technology, 2020, 129, 106231. | 2.2 | 13 |
| 43 | Direct laser hardening of AISI 1020 steel under controlled gas atmosphere. Surface and Coatings Technology, 2020, 385, 125399. | 2.2 | 33 |
| 44 | Laser Micromachining of Silicon Surface under Axial Magnetic Field: Nanosecond versus Femtosecond Pulses. , 2020, , . | | 0 |
| 45 | Microstructure evolution and mechanical properties of W/MA956 joints by brazing. International Journal of Modern Physics B, 2020, 34, 2050025. | 1.0 | 0 |
| 46 | Investigation of tungsten/MA956 steel diffusion bonding with an Nb/Ni composite interlayer. International Journal of Modern Physics B, 2020, 34, 2050123. | 1.0 | 2 |
| 47 | SURFACE ABLATION OF 52100 BEARING STEEL USING FEMTOSECOND LASER IRRADIATION. Surface Review and Letters, 2019, 26, 1850227. | 0.5 | 3 |
| 48 | The effect of contraction twins and shear bands on the texture evolution during isothermal annealing and its effect on mechanical properties of AZ31 magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 763, 138100. | 2.6 | 14 |
| 49 | Corrosion behavior of laser hardened 50CrMo4 (AISI 4150) steel: A depth-wise analysis. Applied Surface Science, 2019, 494, 941-951. | 3.1 | 13 |
| 50 | Microstructure and mechanical properties of diffusion bonded W/MA956 steel joints with a titanium interlayer by SPS. Journal of Adhesion Science and Technology, 2019, 33, 1847-1857. | 1.4 | 7 |
| 51 | Microstructure and properties of Sn-3.8Ag-0.7Cu-xCe lead-free solders with liquid-liquid structure transition and Ce addition. Materials Research Express, 2019, 6, 1165b8. | 0.8 | 1 |
| 52 | Effect of Cu Interlayer on the Microstructure and Strength for Brazing of Tungsten/316L Steel. Journal of Materials Engineering and Performance, 2019, 28, 1745-1752. | 1.2 | 12 |
| 53 | Combining surface mechanical attrition treatment with friction stir processing to optimize the mechanical properties of a magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 184-189. | 2.6 | 18 |
| 54 | Comparative study of laser surface hardening of 50CrMo4 steel using continuous-wave laser and pulsed lasers with ms, ns, ps and fs pulse duration. Surface and Coatings Technology, 2019, 366, 311-320. | 2.2 | 35 |

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| 55 | The effect of the inhomogeneous microstructure and texture on the mechanical properties of AZ31 Mg alloys processed by friction stir processing. <i>Journal of Alloys and Compounds</i> , 2019, 792, 16-24. | 2.8 | 27 |
| 56 | Underwater laser hardening of bearing steels. <i>Journal of Manufacturing Processes</i> , 2019, 47, 52-61. | 2.8 | 18 |
| 57 | Monitoring and analysis of millisecond laser drilling process and performance with and without longitudinal magnetic assistance and/or assist gas. <i>Journal of Manufacturing Processes</i> , 2019, 48, 297-312. | 2.8 | 21 |
| 58 | Fabrication of Functionally Graded WC-Co Cemented Carbides with Plate-Like WC Grains. <i>Powder Metallurgy and Metal Ceramics</i> , 2019, 58, 463-468. | 0.4 | 3 |
| 59 | Effect of Multipass on Microstructure and Impact Toughness of As-Cast Al ₂₀ Si Alloy via Friction Stir Processing. <i>Physics of Metals and Metallography</i> , 2019, 120, 1126-1132. | 0.3 | 5 |
| 60 | The effect of continuous confined strip shearing deformation on the mechanical properties of AZ31 magnesium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 397-403. | 2.6 | 5 |
| 61 | The effect of surface mechanical attrition treatment on texture evolution and mechanical properties of AZ31 magnesium alloy. <i>Materials Characterization</i> , 2019, 148, 26-34. | 1.9 | 20 |
| 62 | Microstructure and properties of the laser cladding ODS layers on CLAM steel. <i>Surface and Coatings Technology</i> , 2019, 357, 172-179. | 2.2 | 7 |
| 63 | Fundamental mechanisms of nanosecond-laser-ablation enhancement by an axial magnetic field. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1091. | 0.9 | 12 |
| 64 | Effect of post weld heat treatment on the microstructure and properties of Laser-TIG hybrid welded joints for CLAM steel. <i>Fusion Engineering and Design</i> , 2018, 128, 175-181. | 1.0 | 22 |
| 65 | Nickel interlayer on the microstructure and property of TC6 to copper alloy diffusion bonding. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 1548-1559. | 1.4 | 3 |
| 66 | Influence of ultrasonic vibration on percussion drilling performance for millisecond pulsed Nd:YAG laser. <i>Optics and Laser Technology</i> , 2018, 104, 133-139. | 2.2 | 30 |
| 67 | The effect of texture and grain size on improving the mechanical properties of Mg-Al-Zn alloys by friction stir processing. <i>Scientific Reports</i> , 2018, 8, 4196. | 1.6 | 44 |
| 68 | Electrical impedance performance of metal dry bioelectrode with different surface coatings. <i>Sensors and Actuators A: Physical</i> , 2018, 269, 515-523. | 2.0 | 10 |
| 69 | Comparison of percussion laser drilling quality with and without water-based ultrasonic assistance. <i>Journal of Manufacturing Processes</i> , 2018, 36, 175-180. | 2.8 | 12 |
| 70 | Decarburization during laser surface processing of steel. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 17 |
| 71 | Ablation morphology and ablation threshold of Ti-6Al-4V alloy during femtosecond laser processing. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1. | 1.1 | 27 |
| 72 | Development of WC-Inconel composites using selective laser melting. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 1410-1420. | 1.9 | 35 |

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|----|--|-----|-----------|
| 73 | Influence of operating parameters on morphology of laser hardened surfaces. , 2018, , . | | 4 |
| 74 | Formation of self-organized nanostructures on Ge during focused ion beam sputtering. , 2018, , 625-628. | | 0 |
| 75 | Laser polishing of additive manufactured Ti alloys. Optics and Lasers in Engineering, 2017, 93, 171-177. | 2.0 | 214 |
| 76 | A special band structure perpendicular to the basal planes formed in a magnesium alloy during hot-rolling process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 703, 244-250. | 2.6 | 1 |
| 77 | Characteristics of Inconel Powders for Powder-Bed Additive Manufacturing. Engineering, 2017, 3, 695-700. | 3.2 | 113 |
| 78 | Growth of inter-metallic compound layers on CLAM steel by HDA and preparation of permeation barrier by oxidation. Fusion Engineering and Design, 2017, 125, 57-63. | 1.0 | 11 |
| 79 | Femtosecond laser cleaning for aerospace manufacturing and remanufacturing. , 2017, , . | | 7 |
| 80 | Laser Surface Processing of Hot Rolled Ni-45.0at.%Ti Shape Memory Alloy. Journal of Laser Micro Nanoengineering, 2017, 12, 6-9. | 0.4 | 2 |
| 81 | Strong Enhancement of Nanosecond Laser Ablation of Silicon by Axial Magnetic Field. , 2017, , . | | 2 |
| 82 | Effect of liquid-liquid transition on solidification and wettability of Sn-0.7Cu-xBi solder. Metallic Materials, 2016, 54, 205-210. | 0.2 | 2 |
| 83 | Magneto-absorption effects in magnetic-field assisted laser ablation of silicon by UV nanosecond pulses. Applied Physics Letters, 2016, 108, . | 1.5 | 22 |
| 84 | Progress in standardization for personnel qualification and safety of robotic welding. , 2016, , . | | 0 |
| 85 | Effect of Ce on resistivity of Sn-3.8Ag-0.7Cu-xCe lead-free solders. Physics and Chemistry of Liquids, 2016, 54, 37-41. | 0.4 | 5 |
| 86 | Backside Nanoslot Excited Sub-Wavelength Grating-Coupled Cu-Strip Plasmonic Waveguides. Journal of Computational and Theoretical Nanoscience, 2015, 12, 909-915. | 0.4 | 0 |
| 87 | Focused Ion Beam Assisted Interface Detection for Fabricating Functional Plasmonic Nanostructures. Journal of Nanomaterials, 2015, 2015, 1-9. | 1.5 | 5 |
| 88 | Butterfly-Inspired 2D Periodic Tapered-Staggered Subwavelength Gratings Designed Based on Finite Difference Time Domain Method. Journal of Nanomaterials, 2015, 2015, 1-7. | 1.5 | 0 |
| 89 | Effect of pulse duration on heat transfer and solidification development in laser-melt magnesium alloy. Applied Physics A: Materials Science and Processing, 2015, 119, 437-442. | 1.1 | 12 |
| 90 | Theoretical Analysis of Non-ablative Laser Texturing of Silicon Surface with a Continuous Wave Fiber Laser. Journal of Laser Micro Nanoengineering, 2015, 10, 181-185. | 0.4 | 1 |

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| 91 | Analysis of selective vaporization behavior in laser melting of magnesium alloy by plume deposition. <i>Laser and Particle Beams</i> , 2014, 32, 49-54. | 0.4 | 2 |
| 92 | Boiling effect in crater development on magnesium surface induced by laser melting. <i>Surface and Coatings Technology</i> , 2014, 252, 168-172. | 2.2 | 9 |
| 93 | Effect of processing environment on laser-induced darkening evolution in magnesium alloy. <i>Optics and Lasers in Engineering</i> , 2014, 52, 35-40. | 2.0 | 14 |
| 94 | Femtosecond laser-induced ripple structures on magnesium. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 13-18. | 1.1 | 24 |
| 95 | Influence of cutting speed on cutting force, flank temperature, and tool wear in end milling of Ti-6Al-4V alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 1835-1845. | 1.5 | 70 |
| 96 | Laser-induced microstructural development and phase evolution in magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2014, 582, 491-495. | 2.8 | 9 |
| 97 | Evolution of periodic structures on InP (100) surface irradiated with femtosecond laser. <i>Materials Letters</i> , 2014, 124, 235-238. | 1.3 | 3 |
| 98 | Numerical Simulation of Non-Ablative Laser Texturing of Silicon Surface with a Continuous Wave Fiber Laser. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 53-57. | 0.4 | 6 |
| 99 | Focused Ion Beam Nanomachining for Analyzing Effects of Light-Structure Interaction on Hair Color. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014, 4, 411-415. | 0.0 | 1 |
| 100 | Darkening effect on AZ31B magnesium alloy surface induced by nanosecond pulse Nd:YAG laser. <i>Applied Surface Science</i> , 2013, 280, 462-466. | 3.1 | 9 |
| 101 | Influence of overlapping tracks on microstructure evolution and corrosion behavior in laser-melt magnesium alloy. <i>Materials & Design</i> , 2013, 52, 452-458. | 5.1 | 27 |
| 102 | Tannic Acid as Phytochemical Potentiator for Antibiotic Resistance Adaptation. <i>APCBEE Procedia</i> , 2013, 7, 175-181. | 0.5 | 28 |
| 103 | Effect of Intermetallic $\text{Mg}_{17}\text{Al}_{12}$ on Fracture of Ultralight Magnesium Alloy. <i>Key Engineering Materials</i> , 2013, 535-536, 160-163. | 0.4 | 0 |
| 104 | Femtosecond laser-induced iridescent effect on AZ31B magnesium alloy surface. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 425305. | 1.3 | 19 |
| 105 | Focused Ion Beam Nanoscale Patterned Transmission-Enhanced Fiber-Optic Tips. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4581-4586. | 0.9 | 4 |
| 106 | Topical Review: Design, Fabrication, and Applications of Hybrid Nanostructured Array. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8. | 1.5 | 1 |
| 107 | Non-ablative texturing of silicon surface with a continuous wave fiber laser. <i>Optics Express</i> , 2012, 20, 23180. | 1.7 | 19 |
| 108 | Development of knife-edge ridges on ion-bombarded surfaces. <i>Applied Physics Letters</i> , 2012, 101, . | 1.5 | 12 |

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|-----|---|-----|-----------|
| 109 | Self-organization of ripples on Ti irradiated with focused ion beam. Applied Surface Science, 2012, 258, 1924-1928. | 3.1 | 10 |
| 110 | Ripple rotation on ion sputtered Si (100). Materials Letters, 2012, 77, 113-116. | 1.3 | 7 |
| 111 | Detecting oscillation amplitude and defects of hard disk rotating in high speed by laser Doppler technique. Measurement: Journal of the International Measurement Confederation, 2012, 45, 74-78. | 2.5 | 11 |
| 112 | Plasmonic properties of two-dimensional metallic nanoholes fabricated by focused ion beam lithography. Journal of Nanoparticle Research, 2012, 14, 1. | 0.8 | 14 |
| 113 | Optical Characterization of Hexagram Metallic Nanoholes. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1424-1427. | 0.4 | 0 |
| 114 | Experimental demonstration of near-field focusing of a phase micro-Fresnel zone plate (FZP) under linearly polarized illumination. Applied Physics B: Lasers and Optics, 2011, 102, 95-100. | 1.1 | 18 |
| 115 | Optical properties of pentagram nanostructures based on localized surface plasmon resonance. Journal of Optics (India), 2011, 40, 65-70. | 0.8 | 4 |
| 116 | Subwavelength Focusing Using Plasmonic Wavelength-Launched Zone Plate Lenses. Plasmonics, 2011, 6, 269-272. | 1.8 | 7 |
| 117 | Bifunctional electro-optical nanoprobe to real-time detect local biochemical processes in single cells. Biosensors and Bioelectronics, 2011, 26, 4484-4490. | 5.3 | 48 |
| 118 | Characterization of dual-periodic structures with optical scattering. Measurement: Journal of the International Measurement Confederation, 2011, 44, 24-28. | 2.5 | 2 |
| 119 | Sub-micron texturing of silicon wafer with fiber laser. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 120 | Evaluation of corrosion resistance of magnesium alloys in radiator coolants. Corrosion Engineering Science and Technology, 2011, 46, 386-391. | 0.7 | 10 |
| 121 | RHOMBIC SILVER NANOPARTICLES ARRAY-BASED PLASMONIC FILTER. International Journal of Modern Physics B, 2011, 25, 2557-2566. | 1.0 | 3 |
| 122 | Diffraction Coupling Angle-Based Design of Au Plasmonic Structure for Subwavelength Focusing. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1514-1517. | 0.4 | 1 |
| 123 | Nearfield Beam Shaping Through Tuning Diffraction Coupling Angles. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1021-1024. | 0.4 | 2 |
| 124 | Optical Characteristics of Rhombic Hybrid Au@Ag Nanostructures Calculated by Discrete Dipole Approximation Method. Journal of Computational and Theoretical Nanoscience, 2010, 7, 634-637. | 0.4 | 4 |
| 125 | Sensitivity of Triangular Hybrid Au@Ag Nanostructure Array. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1347-1350. | 0.4 | 3 |
| 126 | Solidification microstructure of AZ91D Mg alloy after laser surface melting. Applied Physics A: Materials Science and Processing, 2010, 101, 339-344. | 1.1 | 38 |

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| 127 | Ferromagnetism in ZnCoO thin films deposited byÂPLD. Applied Physics A: Materials Science and Processing, 2010, 101, 717-722. | 1.1 | 13 |
| 128 | Numerical Design Methods of Nanostructure Array for Nanobiosensing. Plasmonics, 2010, 5, 267-271. | 1.8 | 18 |
| 129 | Experimental Investigation of Focusing of Gold Planar Plasmonic Lenses. Plasmonics, 2010, 5, 325-329. | 1.8 | 12 |
| 130 | Self-Assembled In-plane Growth of Mg ₂ SiO ₄ Nanowires on Si Substrates Catalyzed by Au Nanoparticles. Advanced Functional Materials, 2010, 20, 2511-2518. | 7.8 | 21 |
| 131 | Beaming of light through depth-tuned plasmonic nanostructures. Optik, 2010, 121, 1962-1965. | 1.4 | 10 |
| 132 | Structural, compositional and magnetic characterization of bulk V2O5 doped ZnO system. Applied Surface Science, 2010, 256, 2309-2314. | 3.1 | 54 |
| 133 | Focused Ion Beam Nano-Precision Machining for Analyzing Photonic Structures in Butterfly. Key Engineering Materials, 2010, 447-448, 174-177. | 0.4 | 3 |
| 134 | Effect of Media on the Electric Field of a Rhombic Nanostructure Array. Chinese Physics Letters, 2010, 27, 067801. | 1.3 | 3 |
| 135 | Dwell time dependent morphological transition and sputtering yield of ion sputtered Sn. Journal Physics D: Applied Physics, 2010, 43, 345302. | 1.3 | 4 |
| 136 | Effect of Cutting Parameters on Ignition of AM50A Mg Alloy during Face Milling. Materials and Manufacturing Processes, 2010, 25, 1048-1051. | 2.7 | 14 |
| 137 | Methods for Prevention of Ignition during Machining of Magnesium Alloys. Key Engineering Materials, 2010, 447-448, 150-154. | 0.4 | 20 |
| 138 | Direct patterning in sub-surface of stainless steel using laser pulses. Optics Express, 2010, 18, 15990. | 1.7 | 5 |
| 139 | Effect of grain size and twins on corrosion behaviour of AZ31B magnesium alloy. Corrosion Science, 2010, 52, 589-594. | 3.0 | 496 |
| 140 | Effect of heat treatment on corrosion behaviour of magnesium alloy AZ91D in simulated body fluid. Corrosion Science, 2010, 52, 1035-1041. | 3.0 | 209 |
| 141 | Effect of carbon nanotubes on corrosion of Mg-CNT composites. Corrosion Science, 2010, 52, 1551-1553. | 3.0 | 82 |
| 142 | Effect of gold-coating on the plasmon properties of silver nanostructure arrays. , 2010, , . | | 0 |
| 143 | Optical Properties and Immunoassay Applications of Noble Metal Nanoparticles. Journal of Nanomaterials, 2010, 2010, 1-12. | 1.5 | 5 |
| 144 | Characterization of Interfacial Hydrothermal Strength of Sandwiched Assembly Using Photomechanics Measurement Techniques. , 2010, , 131-151. | | 0 |

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|-----|--|-----|-----------|
| 145 | Subwavelength beaming using depth-tuned annular nanostructures. <i>Journal of Modern Optics</i> , 2009, 56, 919-926. | 0.6 | 6 |
| 146 | EFFECT OF Nd:YAG LASER MELTING ON SURFACE ENERGY OF AZ91D Mg ALLOY. <i>Surface Review and Letters</i> , 2009, 16, 801-806. | 0.5 | 16 |
| 147 | Ultrashort laser subsurface micromachining of three-dimensional microfluidic structures inside photosensitive glass. <i>Laser and Particle Beams</i> , 2009, 27, 521-528. | 0.4 | 4 |
| 148 | Focused ion beam irradiation of ZnO film: an atomic force microscopy study. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105304. | 1.3 | 11 |
| 149 | Some current research in femtosecond laser-induced surface ripple structures. <i>International Journal of Surface Science and Engineering</i> , 2009, 3, 114. | 0.4 | 4 |
| 150 | Experimental study of plasmonic structures with variant periods for sub-wavelength focusing: analyses of characterization errors. <i>Journal of Modern Optics</i> , 2009, 56, 1550-1556. | 0.6 | 19 |
| 151 | Hybrid Au-Ag subwavelength metallic structures with variant periods for superfocusing. <i>Journal of Nanophotonics</i> , 2009, 3, 033504. | 0.4 | 15 |
| 152 | Study on the solidification microstructure in AZ91D Mg alloy after laser surface melting. <i>Applied Surface Science</i> , 2009, 255, 8235-8238. | 3.1 | 34 |
| 153 | Effect of laser surface melting on corrosion behaviour of AZ91D Mg alloy in simulated-modified body fluid. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1457-1464. | 1.5 | 69 |
| 154 | Modulation of Main Lobe for Superfocusing Using Subwavelength Metallic Heterostructures. <i>Plasmonics</i> , 2009, 4, 141-146. | 1.8 | 8 |
| 155 | An Annular Plasmonic Lens Under Illumination of Circularly Polarized Light. <i>Plasmonics</i> , 2009, 4, 231-235. | 1.8 | 4 |
| 156 | Effect of Gold Coating on Sensitivity of Rhombic Silver Nanostructure Array. <i>Plasmonics</i> , 2009, 4, 303-306. | 1.8 | 6 |
| 157 | Studies of KrF laser-induced long periodic structures on polyimide. <i>Optics and Lasers in Engineering</i> , 2009, 47, 180-185. | 2.0 | 18 |
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