

Wei Zhou

List of Publications by Year in descending order

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244

papers

6,670

citations

94415

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82542

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249

all docs

249

docs citations

249

times ranked

5132

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.	0.4	0
2	Post-processing of Cold Spray Coatings via Rapid Induction Heating. Lecture Notes in Mechanical Engineering, 2022, , 168-172.	0.4	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.	6.3	18
4	In-situ formation of TiC nanoparticles in selective laser melting of 316L with addition of micronized TiC particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 829, 142179.	5.6	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.	5.6	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.	5.5	10
7	Effect of Interpass Temperature on Wire Arc Additive Manufacturing Using High-Strength Metal-Cored Wire. Metals, 2022, 12, 212.	2.3	19
8	Effect of Spray Distance and Powder Feed Rate on Particle Velocity in Cold Spray Processes. Metals, 2022, 12, 75.	2.3	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.	5.6	52
10	Selective Laser Melting of 304L and 316L Stainless Steels: A Comparative Study of Microstructures and Mechanical Properties. Steel Research International, 2022, 93, .	1.8	10
11	Post-Processing of Cold Sprayed CoNiCrAlY Coatings on Inconel 718 by Rapid Induction Heating. Metals, 2022, 12, 396.	2.3	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.	5.6	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.	5.6	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.	2.3	1
15	Cold Spray of Nickel-Based Alloy Coating on Cast Iron for Restoration and Surface Enhancement. Coatings, 2022, 12, 765.	2.6	7
16	Vacuum Brazing of Dissimilar Al 7075 and Al-25 Si Alloy. Metals, 2022, 12, 1042.	2.3	1
17	Selective Laser Melting of 304L and 316L Stainless Steels: A Comparative Study of Microstructures and Mechanical Properties. Steel Research International, 2022, 93, .	1.8	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.	3.1	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.	5.5	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, .	3.5	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.	5.9	12
22	On the heterogeneous cooling rates in laser-clad Al-50Si alloy. <i>Surface and Coatings Technology</i> , 2021, 408, 126780.	4.8	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.	12.0	24
24	Post-Processing of Cold Sprayed Ti-6Al-4V Coatings by Mechanical Peening. <i>Metals</i> , 2021, 11, 1038.	2.3	11
25	Induction Brazing for Rapid Localized Repair of Inconel 718. <i>Metals</i> , 2021, 11, 1096.	2.3	4
26	Mechanisms of Cracking in Laser Welding of Magnesium Alloy AZ91D. <i>Metals</i> , 2021, 11, 1127.	2.3	9
27	Characterization of carbide particle-reinforced 316L stainless steel fabricated by selective laser melting. <i>Materials Characterization</i> , 2021, 179, 111360.	4.4	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.	4.8	19
29	Inconel 713C Coating by Cold Spray for Surface Enhancement of Inconel 718. <i>Metals</i> , 2021, 11, 2048.	2.3	12
30	Hardening Efficiency and Microstructural Changes during Laser Surface Hardening of 50CrMo4 Steel. <i>Metals</i> , 2021, 11, 2015.	2.3	5
31	LASER SURFACE HARDENING OF AISI 1055 STEEL IN WATER SUBMERGED CONDITION. <i>Surface Review and Letters</i> , 2020, 27, 1950087.	1.1	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.	6.3	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.	3.8	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.	5.5	20
35	Digital Twins for Additive Manufacturing: A State-of-the-Art Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8350.	2.5	45
36	Selective laser melting of dispersed TiC particles strengthened 316L stainless steel. <i>Composites Part B: Engineering</i> , 2020, 199, 108291.	12.0	116

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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.	2.6	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.	1.5	3
39	Characterization of nanoparticle mixed 316L powder for additive manufacturing. Journal of Materials Science and Technology, 2020, 47, 162-168.	10.7	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.	5.5	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.	4.6	2
42	Femtosecond laser layered ring trepanning of stainless steel sheets with and without transverse magnetic assistance. Optics and Laser Technology, 2020, 129, 106231.	4.6	13
43	Direct laser hardening of AISI 1020 steel under controlled gas atmosphere. Surface and Coatings Technology, 2020, 385, 125399.	4.8	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.	2.0	0
46	Investigation of tungsten/MA956 steel diffusion bonding with an Nb/Ni composite interlayer. International Journal of Modern Physics B, 2020, 34, 2050123.	2.0	2
47	SURFACE ABLATION OF 52100 BEARING STEEL USING FEMTOSECOND LASER IRRADIATION. Surface Review and Letters, 2019, 26, 1850227.	1.1	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.	5.6	14
49	Corrosion behavior of laser hardened 50CrMo4 (AISI 4150) steel: A depth-wise analysis. Applied Surface Science, 2019, 494, 941-951.	6.1	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.	2.6	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.	1.6	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.	2.5	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.	5.6	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.	4.8	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.	5.5	27
56	Underwater laser hardening of bearing steels. <i>Journal of Manufacturing Processes</i> , 2019, 47, 52-61.	5.9	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.	5.9	21
58	Fabrication of Functionally Graded WCâ€‘Co Cemented Carbides with Plate-Like WC Grains. <i>Powder Metallurgy and Metal Ceramics</i> , 2019, 58, 463-468.	0.8	3
59	Effect of Multipass on Microstructure and Impact Toughness of As-Cast Alâ€‘20Si Alloy via Friction Stir Processing. <i>Physics of Metals and Metallography</i> , 2019, 120, 1126-1132.	1.0	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.	5.6	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.	4.4	20
62	Microstructure and properties of the laser cladding ODS layers on CLAM steel. <i>Surface and Coatings Technology</i> , 2019, 357, 172-179.	4.8	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.	2.1	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.	1.9	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.	2.6	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.	4.6	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.	3.3	44
68	Electrical impedance performance of metal dry bioelectrode with different surface coatings. <i>Sensors and Actuators A: Physical</i> , 2018, 269, 515-523.	4.1	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.	5.9	12
70	Decarburization during laser surface processing of steel. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	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.	2.3	27
72	Development of WC-Inconel composites using selective laser melting. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 1410-1420.	3.8	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.	3.8	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.	5.6	1
77	Characteristics of Inconel Powders for Powder-Bed Additive Manufacturing. Engineering, 2017, 3, 695-700.	6.7	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.	1.9	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.	0.1	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.	0.3	2
83	Magneto-absorption effects in magnetic-field assisted laser ablation of silicon by UV nanosecond pulses. Applied Physics Letters, 2016, 108, .	3.3	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.	1.2	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.	2.7	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.	2.7	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.	2.3	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.	0.1	1

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91	Analysis of selective vaporization behavior in laser melting of magnesium alloy by plume deposition. Laser and Particle Beams, 2014, 32, 49-54.	1.0	2
92	Boiling effect in crater development on magnesium surface induced by laser melting. Surface and Coatings Technology, 2014, 252, 168-172.	4.8	9
93	Effect of processing environment on laser-induced darkening evolution in magnesium alloy. Optics and Lasers in Engineering, 2014, 52, 35-40.	3.8	14
94	Femtosecond laser-induced ripple structures on magnesium. Applied Physics A: Materials Science and Processing, 2014, 115, 13-18.	2.3	24
95	Influence of cutting speed on cutting force, flank temperature, and tool wear in end milling of Ti-6Al-4V alloy. International Journal of Advanced Manufacturing Technology, 2014, 70, 1835-1845.	3.0	70
96	Laser-induced microstructural development and phase evolution in magnesium alloy. Journal of Alloys and Compounds, 2014, 582, 491-495.	5.5	9
97	Evolution of periodic structures on InP (100) surface irradiated with femtosecond laser. Materials Letters, 2014, 124, 235-238.	2.6	3
98	Numerical Simulation of Non-Ablative Laser Texturing of Silicon Surface with a Continuous Wave Fiber Laser. Journal of Computational and Theoretical Nanoscience, 2014, 11, 53-57.	0.4	6
99	Focused Ion Beam Nanomachining for Analyzing Effects of Light-Structure Interaction on Hair Color. Journal of Biomaterials and Tissue Engineering, 2014, 4, 411-415.	0.1	1
100	Darkening effect on AZ31B magnesium alloy surface induced by nanosecond pulse Nd:YAG laser. Applied Surface Science, 2013, 280, 462-466.	6.1	9
101	Influence of overlapping tracks on microstructure evolution and corrosion behavior in laser-melt magnesium alloy. Materials & Design, 2013, 52, 452-458.	5.1	27
102	Tannic Acid as Phytochemical Potentiator for Antibiotic Resistance Adaptation. APCBEE Procedia, 2013, 7, 175-181.	0.5	28
103	Effect of Intermetallic $\text{Mg}_{17}\text{Al}_{12}$ on Fracture of Ultralight Magnesium Alloy. Key Engineering Materials, 2013, 535-536, 160-163.	0.4	0
104	Femtosecond laser-induced iridescent effect on AZ31B magnesium alloy surface. Journal Physics D: Applied Physics, 2013, 46, 425305.	2.8	19
105	Focused Ion Beam Nanoscale Patterned Transmission-Enhanced Fiber-Optic Tips. Journal of Nanoscience and Nanotechnology, 2013, 13, 4581-4586.	0.9	4
106	Topical Review: Design, Fabrication, and Applications of Hybrid Nanostructured Array. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	1
107	Non-ablative texturing of silicon surface with a continuous wave fiber laser. Optics Express, 2012, 20, 23180.	3.4	19
108	Development of knife-edge ridges on ion-bombarded surfaces. Applied Physics Letters, 2012, 101, .	3.3	12

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109	Self-organization of ripples on Ti irradiated with focused ion beam. Applied Surface Science, 2012, 258, 1924-1928.	6.1	10
110	Ripple rotation on ion sputtered Si (100). Materials Letters, 2012, 77, 113-116.	2.6	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.	5.0	11
112	Plasmonic properties of two-dimensional metallic nanoholes fabricated by focused ion beam lithography. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	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.	2.2	18
115	Optical properties of pentagram nanostructures based on localized surface plasmon resonance. Journal of Optics (India), 2011, 40, 65-70.	1.7	4
116	Subwavelength Focusing Using Plasmonic Wavelength-Launched Zone Plate Lenses. Plasmonics, 2011, 6, 269-272.	3.4	7
117	Bifunctional electro-optical nanoprobe to real-time detect local biochemical processes in single cells. Biosensors and Bioelectronics, 2011, 26, 4484-4490.	10.1	48
118	Characterization of dual-periodic structures with optical scattering. Measurement: Journal of the International Measurement Confederation, 2011, 44, 24-28.	5.0	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.	1.4	10
121	RHOMBIC SILVER NANOPARTICLES ARRAY-BASED PLASMONIC FILTER. International Journal of Modern Physics B, 2011, 25, 2557-2566.	2.0	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.	2.3	38

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127	Ferromagnetism in ZnCoO thin films deposited byÂPLD. Applied Physics A: Materials Science and Processing, 2010, 101, 717-722.	2.3	13
128	Numerical Design Methods of Nanostructure Array for Nanobiosensing. Plasmonics, 2010, 5, 267-271.	3.4	18
129	Experimental Investigation of Focusing of Gold Planar Plasmonic Lenses. Plasmonics, 2010, 5, 325-329.	3.4	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.	14.9	21
131	Beaming of light through depth-tuned plasmonic nanostructures. Optik, 2010, 121, 1962-1965.	2.9	10
132	Structural, compositional and magnetic characterization of bulk V2O5 doped ZnO system. Applied Surface Science, 2010, 256, 2309-2314.	6.1	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.	3.3	3
135	Dwell time dependent morphological transition and sputtering yield of ion sputtered Sn. Journal Physics D: Applied Physics, 2010, 43, 345302.	2.8	4
136	Effect of Cutting Parameters on Ignition of AM50A Mg Alloy during Face Milling. Materials and Manufacturing Processes, 2010, 25, 1048-1051.	4.7	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.	3.4	5
139	Effect of grain size and twins on corrosion behaviour of AZ31B magnesium alloy. Corrosion Science, 2010, 52, 589-594.	6.6	496
140	Effect of heat treatment on corrosion behaviour of magnesium alloy AZ91D in simulated body fluid. Corrosion Science, 2010, 52, 1035-1041.	6.6	209
141	Effect of carbon nanotubes on corrosion of Mg-CNT composites. Corrosion Science, 2010, 52, 1551-1553.	6.6	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.	2.7	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. Journal of Modern Optics, 2009, 56, 919-926.	1.3	6
146	EFFECT OF Nd:YAG LASER MELTING ON SURFACE ENERGY OF AZ91D Mg ALLOY. Surface Review and Letters, 2009, 16, 801-806.	1.1	16
147	Ultrashort laser subsurface micromachining of three-dimensional microfluidic structures inside photosensitive glass. Laser and Particle Beams, 2009, 27, 521-528.	1.0	4
148	Focused ion beam irradiation of ZnO film: an atomic force microscopy study. Journal Physics D: Applied Physics, 2009, 42, 105304.	2.8	11
149	Some current research in femtosecond laser-induced surface ripple structures. International Journal of Surface Science and Engineering, 2009, 3, 114.	0.4	4
150	Experimental study of plasmonic structures with variant periods for sub-wavelength focusing: analyses of characterization errors. Journal of Modern Optics, 2009, 56, 1550-1556.	1.3	19
151	Hybrid Au-Ag subwavelength metallic structures with variant periods for superfocusing. Journal of Nanophotonics, 2009, 3, 033504.	1.0	15
152	Study on the solidification microstructure in AZ91D Mg alloy after laser surface melting. Applied Surface Science, 2009, 255, 8235-8238.	6.1	34
153	Effect of laser surface melting on corrosion behaviour of AZ91D Mg alloy in simulated-modified body fluid. Journal of Applied Electrochemistry, 2009, 39, 1457-1464.	2.9	69
154	Modulation of Main Lobe for Superfocusing Using Subwavelength Metallic Heterostructures. Plasmonics, 2009, 4, 141-146.	3.4	8
155	An Annular Plasmonic Lens Under Illumination of Circularly Polarized Light. Plasmonics, 2009, 4, 231-235.	3.4	4
156	Effect of Gold Coating on Sensitivity of Rhombic Silver Nanostructure Array. Plasmonics, 2009, 4, 303-306.	3.4	6
157	Studies of KrF laser-induced long periodic structures on polyimide. Optics and Lasers in Engineering, 2009, 47, 180-185.	3.8	18
158	Investigation of impurity phase formation for (ZnO) _{1-x} (TMO) _x bulk samples formed by ball milling. Applied Surface Science, 2009, 255, 4814-4820.	6.1	15
159	Effect of antimony, bismuth and calcium addition on corrosion and electrochemical behaviour of AZ91 magnesium alloy. Corrosion Science, 2009, 51, 403-408.	6.6	69
160	Design and analysis of two-dimensional high-index-contrast grating surface-emitting lasers. Optics Express, 2009, 17, 260.	3.4	11
161	Effect of polarization on symmetry of focal spot of a plasmonic lens. Optics Express, 2009, 17, 8137.	3.4	18
162	Enhancing the light transmission of plasmonic metamaterials through polygonal aperture arrays. Optics Express, 2009, 17, 20349.	3.4	14

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163	Subwavelength focusing behavior of high numerical-aperture phase Fresnel zone plates under various polarization states. Applied Physics Letters, 2009, 95, .	3.3	42
164	LASER CLADDING OF MAGNESIUM ALLOY AZ91D WITH SILICON CARBIDE. Surface Review and Letters, 2009, 16, 215-221.	1.1	8
165	High sensitivity SnO ₂ single-nanorod sensors for the detection of H ₂ gas at low temperature. Nanotechnology, 2009, 20, 115501.	2.6	76
166	Analyses of surface coloration on TiO ₂ film irradiated with excimer laser. Applied Surface Science, 2008, 254, 2174-2178.	6.1	21
167	Strain and tilt measurement using multi-point diffraction strain sensor. Optics and Laser Technology, 2008, 40, 1099-1103.	4.6	6
168	Propagation properties of plasmonic micro-zone plates with and without fractals. Applied Physics B: Lasers and Optics, 2008, 90, 421-425.	2.2	8
169	Effect of Stress State on Growth of Interfacial Intermetallic Compounds Between Sn-Ag-Cu Solder and Cu Substrates Coated with Electroless Ni Immersion Au. Journal of Electronic Materials, 2008, 37, 1843-1850.	2.2	18
170	Evolution of corrosion in cast Al alloy in antifreeze radiator coolant. Materials and Corrosion - Werkstoffe Und Korrosion, 2008, 59, 954-958.	1.5	2
171	Wear behaviour of AZ91D alloy at low sliding speeds. Wear, 2008, 265, 780-786.	3.1	104
172	Calorimetric analysis of AZ91D magnesium alloy. Materials Letters, 2008, 62, 4494-4496.	2.6	14
173	Fabrication of Si microstructures using focused ion beam implantation and reactive ion etching. Journal of Micromechanics and Microengineering, 2008, 18, 035003.	2.6	38
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