

Honggang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

255
citations

1040056

9
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

141
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of high-performance nickel/graphene oxide composite coatings using ultrasonic-assisted electrodeposition. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104858.	8.2	71
2	Advances in precision micro/nano-electroforming: a state-of-the-art review. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 103002.	2.6	37
3	Synergistic effect of surfactant and saccharin on dispersion and crystal refinement for electrodeposition of nanocrystalline nickel/graphene oxide composite. <i>Surface and Coatings Technology</i> , 2020, 402, 126292.	4.8	27
4	3D Printing of Metallic Microstructured Mould Using Selective Laser Melting for Injection Moulding of Plastic Microfluidic Devices. <i>Micromachines</i> , 2019, 10, 595.	2.9	21
5	Investigation of mass transfer inside micro structures and its effect on replication accuracy in precision micro electroforming. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 165, 103717.	13.4	20
6	Fabrication of permanent self-lubricating 2D material-reinforced nickel mould tools using electroforming. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 170, 103802.	13.4	16
7	Study of ion transportation and electrodeposition under hybrid agitation for electroforming of variable aspect ratios micro structures. <i>Precision Engineering</i> , 2021, 72, 122-143.	3.4	15
8	Electrodeposition of Nickel/Graphene Oxide Particle Composite Coatings: Effect of Surfactants on Graphene Oxide Dispersion and Coating Performance. <i>Journal of the Electrochemical Society</i> , 2020, 167, 162501.	2.9	13
9	Synthesis of two-dimensional WS ₂ /nickel nanocomposites via electroforming for high-performance micro/nano mould tools. <i>Surface and Coatings Technology</i> , 2022, 437, 128351.	4.8	11
10	Characterization of manufacturability of microstructures for micro-injection moulding of micro devices using star patterns. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 025001.	2.6	9
11	Prototyping and Production of Polymeric Microfluidic Chip. , 0, , .		7
12	Geometric Replication Integrity of Micro Features Fabricated Using Variotherm Assisted Micro Injection Moulding. <i>Procedia CIRP</i> , 2018, 71, 390-395.	1.9	5
13	Study on Controllable Thickness and Flatness of Wafer-Scale Nickel Shim in Precision Electroforming Process: Simulation and Validation. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	2.2	3
14	Polymer Micro Fabrication. , 2021, , .		0