

Boonrat Lohwongwatana

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,145
citations

759233

12
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Bulk metallic glass formation in binary Cu-rich alloy series $\text{Cu}_{100-x}\text{Zr}_x$ ($x=34, 36, 38.2, 40$ at.%) and mechanical properties of bulk $\text{Cu}_{64}\text{Zr}_{36}$ glass. <i>Acta Materialia</i> , 2004, 52, 2621-2624.	7.9	547
2	Gold based bulk metallic glass. <i>Applied Physics Letters</i> , 2005, 87, 061912.	3.3	223
3	Precious bulk metallic glasses for jewelry applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 235-238.	5.6	61
4	Strain Rate Induced Crystallization in Bulk Metallic Glass-Forming Liquid. <i>Physical Review Letters</i> , 2006, 96, 075503.	7.8	50
5	Shape transformation of silver nanospheres to silver nanoplates induced by redox reaction of hydrogen peroxide. <i>Materials Chemistry and Physics</i> , 2015, 153, 127-134.	4.0	41
6	Formation of large H_2O_2 -reduced gold nanosheets via starch-induced two-dimensional oriented attachment. <i>RSC Advances</i> , 2013, 3, 3707.	3.6	31
7	Ferromagnetism and diamagnetism behaviors of MgO synthesized via thermal decomposition method. <i>Journal of Alloys and Compounds</i> , 2017, 705, 668-674.	5.5	22
8	The novel toxic free titanium-based amorphous alloy for biomedical application. <i>Journal of Materials Research and Technology</i> , 2018, 7, 248-253.	5.8	19
9	The behavior of gypsum-bonded investment in the gold jewelry casting process. <i>Thermochimica Acta</i> , 2017, 657, 144-150.	2.7	18
10	A Patient-Matched Entire First Metacarpal Prosthesis in Treatment of Giant Cell Tumor of Bone. <i>Case Reports in Orthopedics</i> , 2017, 2017, 1-6.	0.3	18
11	Effects of post-processing on microstructure and adhesion strength of TiO_2 nanotubes on 3D-printed Ti-6Al-4V alloy. <i>Surface and Coatings Technology</i> , 2021, 421, 127431.	4.8	15
12	X-ray absorption spectroscopy investigation of relationship between Mg vacancy and magnetic properties of MgO powder. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 327-333.	2.3	12
13	Novel thermoplastic bonding using a bulk metallic glass solder. <i>Scripta Materialia</i> , 2008, 59, 905-908.	5.2	11
14	Effect of phosphate compound on physical and mechanical properties of SiO_2 ceramic. <i>Ceramics International</i> , 2019, 45, 1356-1362.	4.8	11
15	Formation of Alpha-Case Layer During Investment Casting of Pure Ti and Ti-6Al-4V Using Comparative XRD and EXAFS Investigation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 586-596.	2.2	11
16	The Patient-Specific Implant Created with 3D Printing Technology in Treatment of the Irreparable Radial Head in Chronic Persistent Elbow Instability. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-6.	0.3	10
17	Titania Nanotube Architectures Synthesized on 3D-Printed Ti-6Al-4V Implant and Assessing Vancomycin Release Protocols. <i>Materials</i> , 2021, 14, 6576.	2.9	10
18	A custom-made distal humerus plate fabricated by selective laser melting. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 585-596.	1.6	8

#	ARTICLE	IF	CITATIONS
19	A new toxic-free Ti40Zr10Co36Pd14 metallic glass with good biocompatibility and surface behaviour comparable to Ti-6Al-4V. <i>Materials and Design</i> , 2022, 218, 110691.	7.0	8
20	A Novel Patient-specific Titanium Mesh Implant Design for Reconstruction of Complex Orbital Fracture. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2022, 10, e4081.	0.6	6
21	Matching precision of the reverse contralateral radial head in generating of the individualized prosthesis from the surface registration in tuberosity-neck and in tuberosity-diaphysis. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901882177.	1.0	5
22	Three-dimensional printed, proximal phalangeal prosthesis with metatarsophalangeal joint arthroplasty for the treatment of a giant cell tumor of the fifth toe: The first case report. <i>International Journal of Surgery Case Reports</i> , 2020, 73, 84-89.	0.6	5
23	Three-dimensional printing technology for patient-matched instrument in treatment of cubitus varus deformity: A case report. <i>World Journal of Orthopedics</i> , 2021, 12, 338-345.	1.8	2
24	Microstructure of Gold Nano-Crystals from Nanometer to Micrometer Lengthscale in Gold Bulk Metallic Glass. <i>Advanced Materials Research</i> , 2014, 983, 59-62.	0.3	1
25	Orbitocranial Fibrous Dysplasia: Immediate Reconstruction with Titanium 3-dimensional Printing. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2020, 8, e3114.	0.6	0