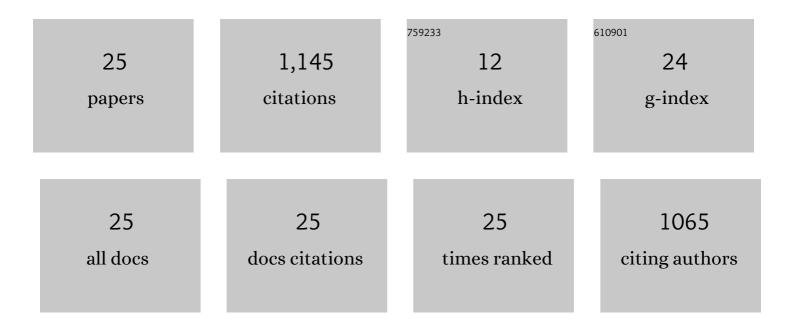
Boonrat Lohwongwatana

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Bulk metallic glass formation in binary Cu-rich alloy series – Cu100â^'xZrx (x=34, 36, 38.2, 40 at.%) and mechanical properties of bulk Cu64Zr36 glass. Acta Materialia, 2004, 52, 2621-2624.	7.9	547
2	Gold based bulk metallic glass. Applied Physics Letters, 2005, 87, 061912.	3.3	223
3	Precious bulk metallic glasses for jewelry applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 235-238.	5.6	61
4	Strain Rate Induced Crystallization in Bulk Metallic Glass-Forming Liquid. Physical Review Letters, 2006, 96, 075503.	7.8	50
5	Shape transformation of silver nanospheres to silver nanoplates induced by redox reaction of hydrogen peroxide. Materials Chemistry and Physics, 2015, 153, 127-134.	4.0	41
6	Formation of large H2O2-reduced gold nanosheets via starch-induced two-dimensional oriented attachment. RSC Advances, 2013, 3, 3707.	3.6	31
7	Ferromagnetism and diamagnetism behaviors of MgO synthesized via thermal decomposition method. Journal of Alloys and Compounds, 2017, 705, 668-674.	5.5	22
8	The novel toxic free titanium-based amorphous alloy for biomedical application. Journal of Materials Research and Technology, 2018, 7, 248-253.	5.8	19
9	The behavior of gypsum-bonded investment in the gold jewelry casting process. Thermochimica Acta, 2017, 657, 144-150.	2.7	18
10	A Patient-Matched Entire First Metacarpal Prosthesis in Treatment of Giant Cell Tumor of Bone. Case Reports in Orthopedics, 2017, 2017, 1-6.	0.3	18
11	Effects of post-processing on microstructure and adhesion strength of TiO2 nanotubes on 3D-printed Ti-6Al-4V alloy. Surface and Coatings Technology, 2021, 421, 127431.	4.8	15
12	X-ray absorption spectroscopy investigation of relationship between Mg vacancy and magnetic properties of MgO powder. Journal of Magnetism and Magnetic Materials, 2018, 460, 327-333.	2.3	12
13	Novel thermoplastic bonding using a bulk metallic glass solder. Scripta Materialia, 2008, 59, 905-908.	5.2	11
14	Effect of phosphate compound on physical and mechanical properties of SiO2 ceramic. Ceramics International, 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. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 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. Case Reports in Orthopedics, 2018, 2018, 1-6.	0.3	10
17	Titania Nanotube Architectures Synthesized on 3D-Printed Ti-6Al-4V Implant and Assessing Vancomycin Release Protocols. Materials, 2021, 14, 6576.	2.9	10
18	A custom-made distal humerus plate fabricated by selective laser melting. Computer Methods in Biomechanics and Biomedical Engineering, 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. Materials and Design, 2022, 218, 110691.	7.0	8
20	A Novel Patient-specific Titanium Mesh Implant Design for Reconstruction of Complex Orbital Fracture. Plastic and Reconstructive Surgery - Global Open, 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. Journal of Orthopaedic Surgery, 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. International Journal of Surgery Case Reports, 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. World Journal of Orthopedics, 2021, 12, 338-345.	1.8	2
24	Microstructure of Gold Nano-Crystals from Nanometer to Micrometer Lengthscale in Gold Bulk Metallic Glass. Advanced Materials Research, 2014, 983, 59-62.	0.3	1
25	Orbitocranial Fibrous Dysplasia: Immediate Reconstruction with Titanium 3-dimensional Printing. Plastic and Reconstructive Surgery - Global Open, 2020, 8, e3114.	0.6	О