

# De-Chun Ba

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

104  
citations

1478505

6  
h-index

1372567

10  
g-index

19  
all docs

19  
docs citations

19  
times ranked

131  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of central screw taper angles on the loosening performance and fatigue characteristics of dental implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 129, 105136.	3.1	7
2	Accurate calculations of working chamber volume constructed from involute of variable radii circle with double arcs modification in a scroll type compressor. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 1652-1664.	2.5	2
3	Effect of Loading Angles and Implant Lengths on the Static and Fatigue Fractures of Dental Implants. <i>Materials</i> , 2021, 14, 5542.	2.9	10
4	Effect of Surface Modification on the Primary Stability of Dental Implants by Plasma Oxidation and Storage Treatment. <i>Coatings</i> , 2020, 10, 622.	2.6	0
5	Fluid-solid coupling numerical simulation for the performance prediction and valve dynamic analysis of a rotary compressor. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 6928-6938.	2.1	6
6	Computational Fluid Dynamics Analysis of Carotid Ophthalmic Aneurysms with Concomitant Ophthalmic Artery Infundibulum in a Patient-Specific Model. <i>World Neurosurgery</i> , 2019, 125, e1023-e1033.	1.3	5
7	Mathematical method for analysis of the asymmetric retinal vascular networks. <i>European Journal of Ophthalmology</i> , 2019, 29, 538-546.	1.3	1
8	Effects of Pulse Interval and Dosing Flux on Cells Varying the Relative Velocity of Micro Droplets and Culture Solution. <i>Processes</i> , 2018, 6, 119.	2.8	1
9	A Microfluidic Chip with Double-Slit Arrays for Enhanced Capture of Single Cells. <i>Micromachines</i> , 2018, 9, 157.	2.9	9
10	Influence of a Scanning Radial Magnetic Field on Macroparticle Reduction of Arc Ion-Plated Films. <i>Coatings</i> , 2018, 8, 49.	2.6	12
11	A Numerical Research of Herringbone Passive Mixer at Low Reynold Number Regime. <i>Micromachines</i> , 2017, 8, 325.	2.9	11
12	Gas dynamics analysis of a rotary compressor based on CFD. <i>Applied Thermal Engineering</i> , 2016, 99, 1263-1269.	6.0	19
13	Effects of surface tension and viscosity on the forming and transferring process of microscale droplets. <i>Applied Surface Science</i> , 2016, 388, 196-202.	6.1	13
14	Experimental investigation on photoelectric properties of ZAO thin film deposited on flexible substrate by magnetron sputtering. <i>Applied Surface Science</i> , 2016, 388, 259-267.	6.1	4
15	Pressure analysis in a compressor cylinder based on detached eddy simulation and dynamic mesh. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 1242-1251.	2.1	4
16	Computer modeling of electric potential distribution of ion transport in rectangular Nanofluidic Channel. , 2010, , .		0
17	Experimental Study on Noise Reduction of Multistage Dry Roots Vacuum Pump Varying the Amount of Dynamic Unbalance. , 2010, , .		0
18	A Mixed H <sub>2</sub> /H <sub>8</sub> Approach to Fault Detection for Discrete-Time Systems. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
19	Study on volume and pressure of scroll compressor constructed from involute of variable radii circle with line-arcs modification. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622210925.	2.1	0