

# Peng Qin

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

1,268  
citations

567281

15  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastable pitting corrosion behavior of laser powder bed fusion produced Ti-6Al-4V in Hank's solution. Corrosion Science, 2022, 203, 110333.	6.6	75
2	Corrosion behavior and mechanism of selective laser melted Ti35Nb alloy produced using pre-alloyed and mixed powder in Hank's solution. Corrosion Science, 2021, 189, 109609.	6.6	60
3	Corrosion behavior and characteristics of passive films of laser powder bed fusion produced Ti-6Al-4V in dynamic Hank's solution. Materials and Design, 2021, 208, 109907.	7.0	90
4	Corrosion and passivation behavior of laser powder bed fusion produced Ti-6Al-4V in static/dynamic NaCl solutions with different concentrations. Corrosion Science, 2021, 191, 109728.	6.6	64
5	Role of Boron in Enhancing Electron Delocalization to Improve Catalytic Activity of Fe-Based Metallic Glasses for Persulfate-Based Advanced Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 44789-44797.	8.0	25
6	Strengthening mechanism and corrosion resistance of beta-type Ti-Nb-Zr-Mn alloys. Materials Science and Engineering C, 2020, 110, 110728.	7.3	64
7	Corrosion Behaviors of Additive Manufactured Titanium Alloys. , 2019, , 197-226.		1
8	Selective laser melting of Ti-35Nb composite from elemental powder mixture: Microstructure, mechanical behavior and corrosion behavior. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 760, 214-224.	5.6	131
9	Resemblance in Corrosion Behavior of Selective Laser Melted and Traditional Monolithic $\beta^2$ Ti-24Nb-4Zr-8Sn Alloy. ACS Biomaterials Science and Engineering, 2019, 5, 1141-1149.	5.2	75
10	K-doped Na <sub>3</sub> Fe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode materials with high-stable structure for sodium-ion stored energy battery. Journal of Alloys and Compounds, 2019, 784, 939-946.	5.5	37
11	Distinction of corrosion resistance of selective laser melted Al-12Si alloy on different planes. Journal of Alloys and Compounds, 2018, 747, 648-658.	5.5	80
12	Improved corrosion behavior of ultrafine-grained eutectic Al-12Si alloy produced by selective laser melting. Materials and Design, 2018, 146, 239-248.	7.0	101
13	Fe <sub>73.5</sub> Si <sub>13.5</sub> B <sub>9</sub> Cu <sub>1</sub> Nb <sub>3</sub> metallic glass: Rapid activation of peroxymonosulfate towards ultrafast Eosin Y degradation. Materials and Design, 2018, 140, 73-84.	7.0	43
14	Improved Corrosion Resistance on Selective Laser Melting Produced Ti-5Cu Alloy after Heat Treatment. ACS Biomaterials Science and Engineering, 2018, 4, 2633-2642.	5.2	85
15	Corrosion Behaviour of Selective Laser Melted Ti-TiB Biocomposite in Simulated Body Fluid. Electrochimica Acta, 2017, 232, 89-97.	5.2	166
16	The interaction between encapsulated Gd <sub>2</sub> O <sub>3</sub> particles and polymeric matrix: The mechanism of fracture and X-ray attenuation properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 535, 175-183.	4.7	11
17	Disordered Atomic Packing Structure of Metallic Glass: Toward Ultrafast Hydroxyl Radicals Production Rate and Strong Electron Transfer Ability in Catalytic Performance. Advanced Functional Materials, 2017, 27, 1702258.	14.9	160