

# Bo Zhang

## List of Publications by Year in descending order

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18  
papers

576  
citations

623734

14  
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839539

18  
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19  
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19  
docs citations

19  
times ranked

413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superhydrophilic versus normal polydopamine coating: A superior and robust platform for synergistic antibacterial and antithrombotic properties. <i>Chemical Engineering Journal</i> , 2020, 402, 126196.	12.7	78
2	Green Tea Polyphenol Induced Mg <sup>2+</sup> -rich Multilayer Conversion Coating: Toward Enhanced Corrosion Resistance and Promoted in Situ Endothelialization of AZ31 for Potential Cardiovascular Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41165-41177.	8.0	65
3	Epigallocatechin gallate mediated sandwich-like coating for mimicking endothelium with sustained therapeutic nitric oxide generation and heparin release. <i>Biomaterials</i> , 2021, 269, 120418.	11.4	61
4	Micelle-Embedded Layer-by-Layer Coating with Catechol and Phenylboronic Acid for Tunable Drug Loading, Sustained Release, Mild Tissue Response, and Selective Cell Fate for Re-endothelialization. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10337-10350.	8.0	48
5	Polycaprolactone vascular graft with epigallocatechin gallate embedded sandwiched layer-by-layer functionalization for enhanced antithrombogenicity and anti-inflammation. <i>Journal of Controlled Release</i> , 2020, 320, 226-238.	9.9	39
6	A Polyphenol-Network-Mediated Coating Modulates Inflammation and Vascular Healing on Vascular Stents. <i>ACS Nano</i> , 2022, 16, 6585-6597.	14.6	33
7	Ultrastretchable Organogel/Silicone Fiber-Helical Sensors for Self-Powered Implantable Ligament Strain Monitoring. <i>ACS Nano</i> , 2022, 16, 10958-10967.	14.6	33
8	Catechol-mediated and copper-incorporated multilayer coating: An endothelium-mimetic approach for blood-contacting devices. <i>Journal of Controlled Release</i> , 2020, 321, 59-70.	9.9	32
9	A thrombin-triggered self-regulating anticoagulant strategy combined with anti-inflammatory capacity for blood-contacting implants. <i>Science Advances</i> , 2022, 8, eabm3378.	10.3	28
10	A facile and versatile superhydrophilic coating on biodegradable PLA stent with stepwise assembly of metal/phenolic networks for mimicking endothelium function. <i>Chemical Engineering Journal</i> , 2022, 427, 130932.	12.7	27
11	Sustained gene delivery from inflammation-responsive anti-inflammatory hydrogels promotes extracellular matrix metabolism balance in degenerative nucleus pulposus. <i>Composites Part B: Engineering</i> , 2022, 236, 109806.	12.0	27
12	Visible-Light-Mediated Nano-biomineralization of Customizable Tough Hydrogels for Biomimetic Tissue Engineering. <i>ACS Nano</i> , 2022, 16, 4734-4745.	14.6	26
13	A nitric oxide-eluting and REDV peptide-conjugated coating promotes vascular healing. <i>Biomaterials</i> , 2022, 284, 121478.	11.4	23
14	Bionic Tea Stain-Like, All-Nanoparticle Coating for Biocompatible Corrosion Protection. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900899.	3.7	20
15	Poly (dimethyl diallyl ammonium chloride) incorporated multilayer coating on biodegradable AZ31 magnesium alloy with enhanced resistance to chloride corrosion and promoted endothelialization. <i>Chemical Engineering Journal</i> , 2021, 421, 127724.	12.7	14
16	An organic selenium and VEGF-conjugated bioinspired coating promotes vascular healing. <i>Biomaterials</i> , 2022, 287, 121654.	11.4	11
17	Dopamine enhances the mechanical and biological properties of enzyme-induced mineralized hydrogels. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9052-9061.	5.8	8
18	Incorporation of Mg-phenolic networks as a protective coating for magnesium alloy to enhance corrosion resistance and osteogenesis in vivo. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 4247-4262.	11.9	3