

Yan Shi

List of Publications by Year in descending order

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9
papers

336
citations

1163117
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docs citations

9
times ranked

475
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and friction properties of PVA/PVP hydrogels for articular cartilage repair as function of polymerization degree and polymer concentration. <i>Wear</i> , 2013, 305, 280-285.	3.1	90
2	Swelling, mechanical and friction properties of PVA/PVP hydrogels after swelling in osmotic pressure solution. <i>Materials Science and Engineering C</i> , 2016, 65, 172-180.	7.3	75
3	In situ repair of graphene defects and enhancement of its reinforcement effect in polyvinyl alcohol hydrogels. <i>RSC Advances</i> , 2017, 7, 1045-1055.	3.6	54
4	Effect of irradiation dose on mechanical and biotribological properties of PVA/PVP hydrogels as articular cartilage. <i>Tribology International</i> , 2014, 78, 60-67.	5.9	41
5	The water-locking and cross-linking effects of graphene oxide on the load-bearing capacity of poly(vinyl alcohol) hydrogel. <i>RSC Advances</i> , 2016, 6, 82467-82477.	3.6	40
6	Mechanical and tribological behaviors of PVA/PAAm double network hydrogels under varied strains as cartilage replacement. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50226.	2.6	12
7	Tribological Rehydration and Its Role on Frictional Behavior of PVA/GO Hydrogels for Cartilage Replacement Under Migrating and Stationary Contact Conditions. <i>Tribology Letters</i> , 2021, 69, 1.	2.6	11
8	Deposition and mechanical properties of γ -Ta _n x films with different stoichiometry by DC magnetron sputtering. <i>Surface and Coatings Technology</i> , 2020, 404, 126452.	4.8	8
9	Effect of Ag target power on structure, mechanical properties of TaC@Ag films. <i>Ceramics International</i> , 2022, 48, 11718-11728.	4.8	5