

Gutian Zhao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A poly(L-lactic acid) braided stent with high mechanical properties during in vitro degradation in bile. Journal of Applied Polymer Science, 2022, 139, 51685.	2.6	5
2	Evaluation of mechanical properties of poly(L-lactic acid) braided stents with axial stiffeners. Journal of Applied Polymer Science, 2022, 139, .	2.6	1
3	Influence of parameters on mechanical properties of poly (L-lactic acid) helical stents. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1705-1712.	3.4	4
4	Evaluation of poly (L-lactic acid) monofilaments with high mechanical performance in vitro degradation. Journal of Materials Science, 2022, 57, 6361-6371.	3.7	3
5	Mixed-braided stent: An effective way to improve comprehensive mechanical properties of poly (L-lactic acid) self-expandable braided stent. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 128, 105123.	3.1	10
6	Hemodynamic Mimic Shear Stress for Platelet Membrane Nanobubbles Preparation and Integrin $\alpha_{IIb}\beta_3$ Conformation Regulation. Nano Letters, 2022, 22, 271-279.	9.1	10
7	Improved mechanical properties of poly(L-lactic acid) stent coated by poly(d,l-lactide). Tj ETQq1 1 0.784314 rgBT (C) Advanced Technologies, 2022, 33, 1109-1115.	3.2	3
8	A poly(L-lactic acid) monofilament with high mechanical properties for application in biodegradable biliary stents. Journal of Applied Polymer Science, 2021, 138, 49656.	2.6	13
9	Effects of constraint between filaments on the radial compression properties of poly (l-lactic acid) self-expandable braided stents. Polymer Testing, 2021, 93, 106963.	4.8	6
10	Relation of the Electrical Conductivity and the Thermal Conductivity to the Young's Modulus of Buckypapers. International Journal of Thermophysics, 2021, 42, 1.	2.1	6
11	Effects of annealing temperature on both radial supporting performance and axial flexibility of poly(L-lactic acid) braided stents. Journal of Applied Polymer Science, 2021, 138, 50517.	2.6	11
12	Effects of annealing constraint methods on poly(L-lactic acid) monofilaments for application in stents annealing. Polymers for Advanced Technologies, 2021, 32, 2378-2385.	3.2	9
13	Poly(l-lactic acid) monofilaments for biodegradable braided self-expanding stent. Journal of Materials Science, 2021, 56, 12383-12393.	3.7	18
14	Analysis of radial compression performance of Poly (L-lactic acid) helical stents. , 2021, , .		0
15	A study of the radial and bending performance for poly (L-lactic acid) braided stents with innovative runners. Polymers for Advanced Technologies, 2021, 32, 4690-4699.	3.2	6
16	Preparation and evaluation of poly(D, L-lactic acid)/poly(L-lactide-co- ϵ -caprolactone) blends for tunable sirolimus release. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124518.	4.7	12
17	Simulation and Experimental Investigation into Mechanical Behaviors of PLLA Stents during Deployment. , 2020, , .		0
18	The effect of intrinsic characteristics on mechanical properties of poly(l-lactic acid) bioresorbable vascular stents. Medical Engineering and Physics, 2020, 81, 118-124.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Numerical simulation of particle migration in different contraction&expansion ratio microchannels. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	25
20	In vitro release study of sirolimus from a PDLLA matrix on a bioresorbable drug-eluting stent. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 48, 88-95.	3.0	9
21	Imaging the condensation and evaporation of molecularly thin ethanol films with surface forces apparatus. <i>Review of Scientific Instruments</i> , 2014, 85, 013702.	1.3	2
22	A study of structure and properties of molecularly thin methanol film using the modified surface forces apparatus. <i>Microscopy Research and Technique</i> , 2014, 77, 851-856.	2.2	1
23	Enhanced mechanical properties of poly(L-lactide) braided stent with six-arm poly(L-lactide-co-epsilon-caprolactone) coating crosslinked by hexamethylene diisocyanate. <i>Polymers for Advanced Technologies</i> , 0, , .	3.2	1
24	Different properties of poly(L-lactic acid) monofilaments and its corresponding braided springs after constrained and unconstrained annealing. <i>Journal of Biomaterials Applications</i> , 0, , 088532822210959.	2.4	0