Gutian Zhao

List of Publications by Year
in descending order

24	164	1163117 8	1199594 12
papers	citations	h-index	g-index

24	24	24	114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical simulation of particle migration in different contractionâ€“expansion ratio microchannels. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	25
2	Poly(l-lactic acid) monofilaments for biodegradable braided self-expanding stent. Journal of Materials Science, 2021, 56, 12383-12393.	3.7	18
3	A poly(Lâ€lactic acid) monofilament with high mechanical properties for application in biodegradable biliary stents. Journal of Applied Polymer Science, 2021, 138, 49656.	2.6	13
4	Preparation and evaluation of poly(D, L-lactic acid)/poly(L-lactide-co-Îµ-caprolactone) blends for tunable sirolimus release. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124518.	4.7	12
5	Effects of annealing temperature on both radial supporting performance and axial flexibility of poly(Lâ€lactic acid) braided stents. Journal of Applied Polymer Science, 2021, 138, 50517.	2.6	11
6	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
7	Hemodynamic Mimic Shear Stress for Platelet Membrane Nanobubbles Preparation and Integrin Î±_{IIb}Î²₃ Conformation Regulation. Nano Letters, 2022, 22, 271-279.	9.1	10
8	In vitro release study of sirolimus from a PDLLA matrix on a bioresorbable drug-eluting stent. Journal of Drug Delivery Science and Technology, 2018, 48, 88-95.	3.0	9
9	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
10	Effects of annealing constraint methods on poly(Lâ€lactic acid) monofilaments for application in stents annealing. Polymers for Advanced Technologies, 2021, 32, 2378-2385.	3.2	9
11	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
12	Relation of the Electrical Conductivity and the Thermal Conductivity to the Youngâ€™s Modulus of Buckypapers. International Journal of Thermophysics, 2021, 42, 1.	2.1	6
13	A study of the radial and bending performance for poly (Lâ€lactic acid) braided stents with innovative runners. Polymers for Advanced Technologies, 2021, 32, 4690-4699.	3.2	6
14	A poly(<scp>l</scp>â€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
15	Influence of parameters on mechanical properties of poly (Lâ€lactic acid) helical stents. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1705-1712.	3.4	4
16	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
17	Improved mechanical properties of poly(<scp>l</scp> â€lactic acid) stent coated by poly(<scp>d</scp> ,) Tj ETQq1 1 0.784314 rgBT / Advanced Technologies, 2022, 33, 1109-1115.	3.2	3
18	Imaging the condensation and evaporation of molecularly thin ethanol films with surface forces apparatus. Review of Scientific Instruments, 2014, 85, 013702.	1.3	2

#	Article	IF	Citations
19	A study of structure and properties of molecularly thin methanol film using the modified surface forces apparatus. Microscopy Research and Technique, 2014, 77, 851-856.	2.2	1
20	Evaluation of mechanical properties of poly(<scp>L</scp>â€lactic acid) braided stents with axial stiffeners. Journal of Applied Polymer Science, 2022, 139, .	2.6	1
21	Enhanced mechanical properties of poly(Lâ€lactide) braided stent with sixâ€arm poly(Lâ€lactideâ€coâ€Îµâ€caprolactone) coating crossâ€linked by hexamethylene diisocyanate. Polymers for Advanced Technologies, 0, , .	3.2	1
22	Simulation and Experimental Investigation into Mechanical Behaviors of PLLA Stents during Deployment. , 2020, , .		0
23	Analysis of radial compression performance of Poly (L-lactic acid) helical stents. , 2021, , .		0
24	Different properties of poly(L-lactic acid) monofilaments and its corresponding braided springs after constrained and unconstrained annealing. Journal of Biomaterials Applications, 0, , 088532822210959.	2.4	0