Songchao Tang

List of Publications by Year
in descending order

27 papers	513 citations	687363 13 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	777 citing authors

#	Article	IF	Citations
1	A microporous surface containing Si3N4/Ta microparticles of PEKK exhibits both antibacterial and osteogenic activity for inducing cellular response and improving osseointegration. Bioactive Materials, 2021, 6, 3136-3149.	15.6	21
2	Improvement of rBMSCs Responses to Poly(propylene carbonate) Based Biomaterial through Incorporation of Nanolaponite and Surface Treatment Using Sodium Hydroxide. ACS Biomaterials Science and Engineering, 2020, 6, 329-339.	5.2	7
3	Influences of sodium tantalite submicro-particles in polyetheretherketone based composites on behaviors of rBMSCs/HGE-1 cells for dental application. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110723.	5.0	9
4	Silkâ€Inspired Î²â€Peptide Materials Resist Fouling and the Foreignâ€Body Response. Angewandte Chemie, 2020, 132, 9673-9680.	2.0	7
5	Silkâ€Inspired Î²â€Peptide Materials Resist Fouling and the Foreignâ€Body Response. Angewandte Chemie - International Edition, 2020, 59, 9586-9593.	13.8	56
6	Incorporation of molybdenum disulfide into polyetheretherketone creating biocomposites with improved mechanical, tribological performances and cytocompatibility for artificial joints applications. Colloids and Surfaces B: Biointerfaces, 2020, 189, 110819.	5.0	17
7	Blended films containing polybutyrolactam and chitosan for potential wound dressing applications. Journal of Applied Polymer Science, 2018, 135, 46511.	2.6	6
8	Stimulation of cell responses and bone ingrowth into macro-microporous implants of nano-bioglass/polyetheretherketone composite and enhanced antibacterial activity by release of hinokitiol. Colloids and Surfaces B: Biointerfaces, 2018, 164, 347-357.	5.0	40
9	Lithium doped silica nanospheres/poly(dopamine) composite coating on polyetheretherketone to stimulate cell responses, improve bone formation and osseointegration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 965-976.	3.3	23
10	Improvement of surface hydrophilicity, water uptake, biodegradability, and cytocompatibility through the incorporation of chitosan oligosaccharide into poly(<scp>l</scp>â€lactide). Journal of Applied Polymer Science, 2018, 135, 45724.	2.6	1
11	Influences of mesoporous zinc-calcium silicate on water absorption, degradability, antibacterial efficacy, hemostatic performances and cell viability to microporous starch based hemostat. Materials Science and Engineering C, 2017, 76, 340-349.	7.3	42
12	Nanoporosity improved water absorption, in vitro degradability, mineralization, osteoblast responses and drug release of poly(butylene succinate)-based composite scaffolds containing nanoporous magnesium silicate compared with magnesium silicate. International Journal of Nanomedicine, 2017, Volume 12, 3637-3651.	6.7	15
13	Tuning of the surface biological behavior of poly(L-lactide)-based composites by the incorporation of polyelectrolyte complexes for bone regeneration. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1713-1727.	3.5	3
14	Osseointegration of nanohydroxyapatite- or nano-calcium silicate-incorporated polyetheretherketone bioactive composites in vivo. International Journal of Nanomedicine, 2016, Volume 11, 6023-6033.	6.7	44
15	Crystalline, Thermal, and Biodegradable Properties of Poly(L-Lactic Acid)/Poly(D-Lactic Acid)/POSS Melt Blends. Polymer-Plastics Technology and Engineering, 2016, 55, 1000-1011.	1.9	6
16	Improvement of bioactivity, degradability, and cytocompatibility of biocement by addition of mesoporous magnesium silicate into sodium-magnesium phosphate cement. Journal of Materials Science: Materials in Medicine, 2015, 26, 238.	3.6	10
17	Biocompatibility, degradability, bioactivity and osteogenesis of mesoporous/macroporous scaffolds of mesoporous diopside/poly(l -lactide) composite. Journal of the Royal Society Interface, 2015, 12, 20150507.	3.4	10
18	<i>In vitro</i> degradability, bioactivity and primary cell responses to bone cements containing mesoporous magnesiumâ€“calcium silicate and calcium sulfate for bone regeneration. Journal of the Royal Society Interface, 2015, 12, 20150779.	3.4	24

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19	Unique Homo-Crystallization and Melting Behavior of Poly(L-lactic acid): Influence of Stereocomplex with Varied Structure. Polymer-Plastics Technology and Engineering, 2015, 54, 1-13.	1.9	4
20	Development of nanofluorapatite polymer-based composite for bioactive orthopedic implants and prostheses. International Journal of Nanomedicine, 2014, 9, 3875.	6.7	10
21	Preparation and properties of BSA-loaded microspheres based on multi-(amino acid) copolymer for protein delivery. International Journal of Nanomedicine, 2014, 9, 1957.	6.7	16
22	Preparation and characterization of bioactive and degradable composites containing ordered mesoporous calcium-magnesium silicate and poly(l-lactide). Applied Surface Science, 2014, 317, 1090-1099.	6.1	9
23	In vitro degradability, bioactivity and cell responses to mesoporous magnesium silicate for the induction of bone regeneration. Colloids and Surfaces B: Biointerfaces, 2014, 120, 38-46.	5.0	58
24	Unique Crystallization Behavior of Poly(L-lactic acid) Nucleated by Stereocomplex with Different Fine Structure. Polymer-Plastics Technology and Engineering, 2013, 52, 690-698.	1.9	13
25	Thermal and phase-separation behavior of injection-molded poly(l-lactic acid)/poly(d-lactic acid) blends with moderate optical purity. Polymer Bulletin, 2012, 68, 1135-1151.	3.3	21
26	Effects of processing route on morphology and mechanical behavior of polypropylene in equal channel angular extrusion. Journal of Applied Polymer Science, 2011, 122, 2146-2158.	2.6	27
27	Toughening of polycarbonate by coreâ€shell latex particles: Influence of particle size and spatial distribution on brittleâ€ductile transition. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1970-1977.	2.1	14