Jiang Yuan

List of Publications by Year
in descending order

58 papers	2,116 citations	201385 27 h-index	233125 45 g-index
58 all docs	58 docs citations	58 times ranked	2769 citing authors

#	Article	IF	Citations
1	Electrospun polyurethane/keratin/AgNP biocomposite mats for biocompatible and antibacterial wound dressings. Journal of Materials Chemistry B, 2016, 4, 635-648.	2.9	129
2	Grafting of carboxybetaine brush onto cellulose membranes via surface-initiated ARGET-ATRP for improving blood compatibility. Colloids and Surfaces B: Biointerfaces, 2013, 103, 52-58.	2.5	102
3	Preparation and characterization of DOX loaded keratin nanoparticles for pH/GSH dual responsive release. Materials Science and Engineering C, 2017, 73, 189-197.	3.8	93
4	Platelet adhesive resistance of segmented polyurethane film surface-grafted with vinyl benzyl sulfo monomer of ammonium zwitterions. Biomaterials, 2003, 24, 4223-4231.	5.7	83
5	Improvement of blood compatibility on cellulose membrane surface by grafting betaines. Colloids and Surfaces B: Biointerfaces, 2003, 30, 147-155.	2.5	79
6	Chemical graft polymerization of sulfobetaine monomer on polyurethane surface for reduction in platelet adhesion. Colloids and Surfaces B: Biointerfaces, 2004, 39, 87-94.	2.5	78
7	Chemically induced graft copolymerization of 2-hydroxyethyl methacrylate onto polyurethane surface for improving blood compatibility. Applied Surface Science, 2011, 258, 755-760.	3.1	78
8	Surface-initiated RAFT polymerization of sulfobetaine from cellulose membranes to improve hemocompatibility and antibiofouling property. Polymer Chemistry, 2013, 4, 5074.	1.9	75
9	Fabrication of PHBV/keratin composite nanofibrous mats for biomedical applications. Macromolecular Research, 2009, 17, 850-855.	1.0	73
10	Enhanced blood compatibility of polyurethane functionalized with sulfobetaine. Colloids and Surfaces B: Biointerfaces, 2008, 66, 90-95.	2.5	72
11	Differences in cytocompatibility between collagen, gelatin and keratin. Materials Science and Engineering C, 2016, 59, 30-34.	3.8	62
12	Platelet adhesion and protein adsorption on silicone rubber surface by ozone-induced grafted polymerization with carboxybetaine monomer. Colloids and Surfaces B: Biointerfaces, 2005, 41, 55-62.	2.5	60
13	Fabrication of proteinâ€doped PLA composite nanofibrous scaffolds for tissue engineering. Polymer International, 2008, 57, 1188-1193.	1.6	60
14	Novel wound dressing based on nanofibrous PHBV-keratin mats. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1027-1035.	1.3	60
15	Hemocompatibility and anti-biofouling property improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of zwitterionic cysteine. Colloids and Surfaces B: Biointerfaces, 2013, 110, 327-332.	2.5	58
16	Antibacterial and anticoagulation properties of carboxylated graphene oxideâ€"lanthanum complexes. Journal of Materials Chemistry, 2012, 22, 1673-1678.	6.7	55
17	S-nitrosated keratin composite mats with NO release capacity for wound healing. Chemical Engineering Journal, 2020, 400, 125964.	6.6	55
18	Zwitterionic polymer brushes via dopamine-initiated ATRP from PET sheets for improving hemocompatible and antifouling properties. Colloids and Surfaces B: Biointerfaces, 2016, 145, 275-284.	2.5	51

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19	Extraction, characterization, and NO release potential of keratin from human hair. Materials Letters, 2016, 175, 188-190.	1.3	49
20	Triple stimuli-responsive keratin nanoparticles as carriers for drug and potential nitric oxide release. Materials Science and Engineering C, 2018, 91, 606-614.	3.8	49
21	Fabrication of poly(Îµ-caprolactone)/keratin nanofibrous mats as a potential scaffold for vascular tissue engineering. Materials Science and Engineering C, 2016, 68, 177-183.	3.8	46
22	Surface modification of SPEU films by ozone induced graft copolymerization to improve hemocompatibility. Colloids and Surfaces B: Biointerfaces, 2003, 29, 247-256.	2.5	42
23	DOX-Conjugated keratin nanoparticles for pH-Sensitive drug delivery. Colloids and Surfaces B: Biointerfaces, 2019, 181, 1012-1018.	2.5	38
24	Hemocompatibility improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of zwitterions. Materials Science and Engineering C, 2014, 36, 42-48.	3.8	37
25	Preparation of keratin/chlorhexidine complex nanoparticles for long-term and dual stimuli-responsive release. RSC Advances, 2015, 5, 82334-82341.	1.7	34
26	PCL/sulfonated keratin mats for vascular tissue engineering scaffold with potential of catalytic nitric oxide generation. Materials Science and Engineering C, 2020, 107, 110246.	3.8	30
27	Long-term and controlled release of chlorhexidineâ€"copper(II) from organically modified montmorillonite (OMMT) nanocomposites. Materials Science and Engineering C, 2013, 33, 752-757.	3.8	28
28	Mussel-Inspired Surface Functionalization of PET with Zwitterions and Silver Nanoparticles for the Dual-Enhanced Antifouling and Antibacterial Properties. Langmuir, 2019, 35, 1788-1797.	1.6	27
29	Poly(Îµâ€caprolactone)/keratin/heparin/VEGF biocomposite mats for vascular tissue engineering. Journal of Biomedical Materials Research - Part A, 2020, 108, 292-300.	2.1	27
30	Electrospinning of antibacterial poly(vinylidene fluoride) nanofibers containing silver nanoparticles. Journal of Applied Polymer Science, 2010, 116, 668-672.	1.3	25
31	Nitric oxide-releasing poly(Îµ-caprolactone)/S-nitrosylated keratin biocomposite scaffolds for potential small-diameter vascular grafts. International Journal of Biological Macromolecules, 2021, 189, 516-527.	3.6	24
32	Antioxidant and multi-sensitive PNIPAAm/keratin double network gels for self-stripping wound dressing application. Journal of Materials Chemistry B, 2021, 9, 6212-6225.	2.9	24
33	Electrospun PCL/keratin/AuNPs mats with the catalytic generation of nitric oxide for potential of vascular tissue engineering. Journal of Biomedical Materials Research - Part A, 2018, 106, 3239-3247.	2.1	21
34	Design of hemocompatible and antifouling PET sheets with synergistic zwitterionic surfaces. Journal of Colloid and Interface Science, 2016, 480, 205-217.	5.0	20
35	Fabrication of PCL/keratin composite scaffolds for vascular tissue engineering with catalytic generation of nitric oxide potential. Journal of Materials Chemistry B, 2020, 8, 6092-6099.	2.9	19
36	Catalytic Generation of Nitric Oxide from Poly(Îµ-caprolactone)/Phosphobetainized Keratin Mats for a Vascular Tissue Engineering Scaffold. Langmuir, 2020, 36, 4396-4404.	1.6	18

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37	Polydopamine/keratin complexes as gatekeepers of mesoporous silica nanoparticles for pH and GSH dual responsive drug delivery. Materials Letters, 2021, 293, 129676.	1.3	18
38	One-step fabricated keratin nanoparticles as pH and redox-responsive drug nanocarriers. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1920-1934.	1.9	17
39	Hemocompatibility and anti-biofouling property improvement of poly(ethylene terephthalate) via self-polymerization of dopamine and covalent graft of lysine. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1619-1628.	1.9	16
40	Self-crosslinked keratin nanoparticles for pH and GSH dual responsive drug carriers. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 1994-2006.	1.9	16
41	Stepwise immobilization of keratin-dopamine conjugates and gold nanoparticles on PET sheets for potential vascular graft with the catalytic generation of nitric oxide. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111855.	2.5	15
42	Nitric oxide-releasing polyurethane/<i>S</i>-nitrosated keratin mats for accelerating wound healing. International Journal of Energy Production and Management, 2022, 9, rbac006.	1.9	15
43	Preparation and characterization of Keratin-PEG conjugate-based micelles as a tumor microenvironment-responsive drug delivery system. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 1163-1178.	1.9	14
44	Reactive electrospinning of poly(vinyl alcohol) nanofibers. Journal of Applied Polymer Science, 2012, 124, 1067-1073.	1.3	13
45	Polyurethane/Keratin/AgNPs nanofibrous mats as catalyst support for 4-nitroaniline reduction. Materials Letters, 2019, 237, 9-13.	1.3	12
46	Keratinâ€"Poly(2-methacryloxyethyl phosphatidylcholine) Conjugate-Based Micelles as a Tumor Micro-Environment-Responsive Drug-Delivery System with Long Blood Circulation. Langmuir, 2020, 36, 3540-3549.	1.6	12
47	Antibacterial and anticoagulation properties of polyethylene/geneOâ€MPC nanocomposites. Journal of Applied Polymer Science, 2013, 129, 884-891.	1.3	11
48	Heparinized PCL/keratin mats for vascular tissue engineering scaffold with potential of catalytic nitric oxide generation. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1785-1798.	1.9	10
49	Keratin-tannic acid complex nanoparticles as pH/GSH dual responsive drug carriers for doxorubicin. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 1125-1139.	1.9	10
50	Hydrogen sulfide releasing hydrogel for alleviating cardiac inflammation and protecting against myocardial ischemia-reperfusion injury. Journal of Materials Chemistry B, 2022, 10, 5344-5351.	2.9	10
51	Synthesis and one-pot tethering of hydroxyl-capped phosphorylcholine onto cellulose membrane for improving hemocompatibility and antibiofouling property. Colloids and Surfaces B: Biointerfaces, 2013, 111, 432-438.	2.5	8
52	Biocompatibility of novel carboxylated graphene oxideâ€"glutamic acid complexes. Journal of Materials Science, 2013, 48, 7097-7103.	1.7	8
53	Keratin-dopamine conjugate nanoparticles as pH/GSH dual responsive drug carriers. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 2318-2330.	1.9	8
54	Biocompatible and photocrosslinkable poly(ethylene glycol)/keratin biocomposite hydrogels. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 1998-2008.	1.9	7

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55	A Nano-Silver Loaded PVA/Keratin Hydrogel With Strong Mechanical Properties Provides Excellent Antibacterial Effect for Delayed Sternal Closure. Frontiers in Bioengineering and Biotechnology, 2021, 9, 733980.	2.0	5
56	Rheology and processability of polyamide66 filled with differentâ€sized and sizeâ€distributed calcium carbonate. Polymer Composites, 2011, 32, 1633-1639.	2.3	4
57	Sulfobetainized biocomposite mats with improved biocompatibility and antifouling property. Materials Letters, 2018, 218, 186-189.	1.3	4
58	Preparation of MSNs@Keratin as pH/GSH dual responsive drug delivery system. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1369-1382.	1.9	2