

Maling Gou

List of Publications by Year in descending order

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76
papers

5,052
citations

172207

29
h-index

95083

68
g-index

82
all docs

82
docs citations

82
times ranked

8254
citing authors

#	ARTICLE	IF	CITATIONS
1	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. <i>Nature</i> , 2020, 586, 572-577.	13.7	630
2	3D printing of functional biomaterials for tissue engineering. <i>Current Opinion in Biotechnology</i> , 2016, 40, 103-112.	3.3	584
3	Direct 3D bioprinting of prevascularized tissue constructs with complex microarchitecture. <i>Biomaterials</i> , 2017, 124, 106-115.	5.7	433
4	Curcumin-loaded biodegradable polymeric micelles for colon cancer therapy in vitro and in vivo. <i>Nanoscale</i> , 2011, 3, 1558.	2.8	369
5	3D bioprinting of functional tissue models for personalized drug screening and in vitro disease modeling. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 235-251.	6.6	297
6	Bio-inspired detoxification using 3D-printed hydrogel nanocomposites. <i>Nature Communications</i> , 2014, 5, 3774.	5.8	271
7	Noninvasive in vivo 3D bioprinting. <i>Science Advances</i> , 2020, 6, eaba7406.	4.7	186
8	Bioprinting of skin constructs for wound healing. <i>Burns and Trauma</i> , 2018, 6, 5.	2.3	161
9	Digital Light Processing Based Three-dimensional Printing for Medical Applications. <i>International Journal of Bioprinting</i> , 2019, 6, 242.	1.7	138
10	A novel injectable local hydrophobic drug delivery system: Biodegradable nanoparticles in thermo-sensitive hydrogel. <i>International Journal of Pharmaceutics</i> , 2008, 359, 228-233.	2.6	115
11	Rapid 3D printing of functional nanoparticle-enhanced conduits for effective nerve repair. <i>Acta Biomaterialia</i> , 2019, 90, 49-59.	4.1	114
12	3D-engineering of Cellularized Conduits for Peripheral Nerve Regeneration. <i>Scientific Reports</i> , 2016, 6, 32184.	1.6	110
13	Preparation of MPEG-PLA nanoparticle for honokiol delivery in vitro. <i>International Journal of Pharmaceutics</i> , 2010, 386, 262-267.	2.6	109
14	Poly(ϵ -caprolactone)-poly(ethylene glycol)-poly(ϵ -caprolactone) (PCL-PEG-PCL) nanoparticles for honokiol delivery in vitro. <i>International Journal of Pharmaceutics</i> , 2009, 375, 170-176.	2.6	108
15	PCL/PEG Copolymeric Nanoparticles: Potential Nanoplatforms for Anticancer Agent Delivery. <i>Current Drug Targets</i> , 2011, 12, 1131-1150.	1.0	87
16	Efficient Inhibition of C-26 Colon Carcinoma by VSVMP Gene Delivered by Biodegradable Cationic Nanogel Derived from Polyethyleneimine. <i>ACS Nano</i> , 2010, 4, 5573-5584.	7.3	79
17	Self-Assembled Hydrophobic Honokiol Loaded MPEG-PCL Diblock Copolymer Micelles. <i>Pharmaceutical Research</i> , 2009, 26, 2164-2173.	1.7	76
18	Poly(μ -caprolactone)/Poly(ethylene glycol)/Poly(μ -caprolactone) Nanoparticles: Preparation, Characterization, and Application in Doxorubicin Delivery. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12928-12933.	1.2	72

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19	A 3D-engineered porous conduit for peripheral nerve repair. <i>Scientific Reports</i> , 2017, 7, 46038.	1.6	61
20	3D printing of nerve conduits with nanoparticle-encapsulated RGFP966. <i>Applied Materials Today</i> , 2019, 16, 247-256.	2.3	46
21	3D printed titanium scaffolds with homogeneous diamond-like structures mimicking that of the osteocyte microenvironment and its bone regeneration study. <i>Biofabrication</i> , 2021, 13, 015008.	3.7	45
22	3D-Printed Nerve Conduits with Live Platelets for Effective Peripheral Nerve Repair. <i>Advanced Functional Materials</i> , 2020, 30, 2004272.	7.8	44
23	A 3D-Printed Self-Adhesive Bandage with Drug Release for Peripheral Nerve Repair. <i>Advanced Science</i> , 2020, 7, 2002601.	5.6	41
24	Improving Mechanical Properties for Extrusion-Based Additive Manufacturing of Poly(Lactic Acid) by Annealing and Blending with Poly(3-Hydroxybutyrate). <i>Polymers</i> , 2019, 11, 1529.	2.0	40
25	Preparation of mannan modified anionic PCL-PEG-PCL nanoparticles at one-step for bFGF antigen delivery to improve humoral immunity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 135-139.	2.5	39
26	Polymeric matrix for drug delivery: Honokiol-loaded PCL-PEG-PCL nanoparticles in PEG-PCL-PEG thermosensitive hydrogel. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 219-226.	2.1	38
27	Improving anticancer activity and reducing systemic toxicity of doxorubicin by self-assembled polymeric micelles. <i>Nanotechnology</i> , 2011, 22, 095102.	1.3	33
28	Generation of electricity from CO ₂ mineralization: Principle and realization. <i>Science China Technological Sciences</i> , 2014, 57, 2335-2343.	2.0	31
29	Efficient delivery of antigen to DCs using yeast-derived microparticles. <i>Scientific Reports</i> , 2015, 5, 10687.	1.6	31
30	A 3D-Engineered Conformal Implant Releases DNA Nanocomplexes for Eradicating the Postsurgery Residual Glioblastoma. <i>Advanced Science</i> , 2017, 4, 1600491.	5.6	31
31	Carbonate esters turn camptothecin-unsaturated fatty acid prodrugs into nanomedicines for cancer therapy. <i>Chemical Communications</i> , 2018, 54, 1996-1999.	2.2	28
32	Modulating physical, chemical, and biological properties in 3D printing for tissue engineering applications. <i>Applied Physics Reviews</i> , 2018, 5, .	5.5	28
33	3D-Engineered GelMA conduit filled with ECM promotes regeneration of peripheral nerve. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 805-813.	2.1	28
34	Efficient intravesical therapy of bladder cancer with cationic doxorubicin nanoassemblies. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4535-4544.	3.3	25
35	Histones released by NETosis enhance the infectivity of SARS-CoV-2 by bridging the spike protein subunit 2 and sialic acid on host cells. , 2022, 19, 577-587.		22
36	Codelivery of thioridazine and doxorubicin using nanoparticles for effective breast cancer therapy. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 4545-4552.	3.3	21

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37	Prognostic role of early D-dimer level in patients with acute ischemic stroke. <i>PLoS ONE</i> , 2019, 14, e0211458.	1.1	21
38	Polydiacetylene-Nanoparticle-Functionalized Microgels for Topical Bacterial Infection Treatment. <i>ACS Macro Letters</i> , 2019, 8, 563-568.	2.3	21
39	3D Printing Enabled Customization of Functional Microgels. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12209-12215.	4.0	21
40	Loss of Gs1± impairs liver regeneration through a defect in the crosstalk between cAMP and growth factor signaling. <i>Journal of Hepatology</i> , 2016, 64, 342-351.	1.8	20
41	3D printing of functional nerve guide conduits. <i>Burns and Trauma</i> , 2021, 9, tkab011.	2.3	19
42	Co-assembling FRET nanomedicine with self-indicating drug release. <i>Chemical Communications</i> , 2018, 54, 11618-11621.	2.2	18
43	RGD-Modified Nanocarrier-Mediated Targeted Delivery of <i>HIF-1±-AA</i> Plasmid DNA to Cerebrovascular Endothelial Cells for Ischemic Stroke Treatment. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6254-6264.	2.6	18
44	Transdermal Anaesthesia with Lidocaine Nano-Formulation Pretreated with Low-Frequency Ultrasound in Rats Model. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6360-6365.	0.9	17
45	Modular Engineering of Targeted Dual-Drug Nanoassemblies for Cancer Chemoimmunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36371-36382.	4.0	17
46	A conformal hydrogel nanocomposite for local delivery of paclitaxel. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 107-118.	1.9	16
47	A Vesicular Stomatitis Virus-Inspired DNA Nanocomplex for Ovarian Cancer Therapy. <i>Advanced Science</i> , 2018, 5, 1700263.	5.6	16
48	Efficient Inhibition of Ovarian Cancer by Gelonin Toxin Gene Delivered by Biodegradable Cationic Heparin-polyethyleneimine Nanogels. <i>International Journal of Medical Sciences</i> , 2015, 12, 397-406.	1.1	15
49	Fabrication and in vivo chondrification of a poly(propylene carbonate)-lactide-grafted tetracalcium phosphate electrospun scaffold for cartilage tissue engineering. <i>RSC Advances</i> , 2015, 5, 42943-42954.	1.7	15
50	Functional Nanoparticles Activate a Decellularized Liver Scaffold for Blood Detoxification. <i>Small</i> , 2016, 12, 2067-2076.	5.2	15
51	<p>Targeted nanoparticle-mediated LHPP for melanoma treatment</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3455-3468.	3.3	15
52	Antitumor effects of heparin-polyethyleneimine nanogels delivering claudin-3-targeted short hairpin RNA combined with low-dose cisplatin on ovarian cancer. <i>Oncology Reports</i> , 2014, 31, 1623-1628.	1.2	14
53	Improved antitumor activity and reduced myocardial toxicity of doxorubicin encapsulated in MPEG-PCL nanoparticles. <i>Oncology Reports</i> , 2016, 35, 3600-3606.	1.2	14
54	Ovarian Cancer Therapy by <i>VSMVP</i> Gene Mediated by a Paclitaxel-Enhanced Nanoparticle. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39152-39164.	4.0	13

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55	RhoA-stimulated intra-capillary morphology switch facilitates the arrest of individual circulating tumor cells. <i>International Journal of Cancer</i> , 2018, 142, 2094-2105.	2.3	13
56	An evaluation of the wound healing potential of tetrahydrocurcumin-loaded MPEG-PLA nanoparticles. <i>Journal of Biomaterials Applications</i> , 2019, 34, 315-325.	1.2	12
57	Kinetic stability-driven cytotoxicity of small-molecule prodrug nanoassemblies. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5563-5572.	2.9	11
58	Fast Customization of Microneedle Arrays by Static Optical Projection Lithography. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60522-60530.	4.0	11
59	The Influence of Source Material Composition on Morphology and Optical Properties of ZnO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1295-1300.	0.9	10
60	Targeted Nanoparticle-Mediated Gene Therapy Mimics Oncolytic Virus for Effective Melanoma Treatment. <i>Advanced Functional Materials</i> , 2018, 28, 1800173.	7.8	10
61	Expression of Microtubule-Associated Proteins in Relation to Prognosis and Efficacy of Immunotherapy in Non-Small Cell Lung Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 680402.	1.3	10
62	3D printed porous microgel for lung cancer cells culture in vitro. <i>Materials and Design</i> , 2021, 210, 110079.	3.3	10
63	Challenges and opportunities in developing nanoparticles for detoxification. <i>Nanomedicine</i> , 2014, 9, 2437-2439.	1.7	9
64	Light-activated drug release from prodrug nanoassemblies by structure destruction. <i>Chemical Communications</i> , 2019, 55, 13128-13131.	2.2	9
65	Efficient inhibition of ovarian cancer by degradable nanoparticle-delivered survivin T34A gene. <i>International Journal of Nanomedicine</i> , 2016, 11, 501.	3.3	7
66	Targeted Nanotherapeutics Using LACTB Gene Therapy Against Melanoma. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7697-7709.	3.3	7
67	3D Printing Mini-Capsule Device for Islet Delivery to Treat Type 1 Diabetes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23139-23151.	4.0	7
68	Thiol-Functionalized Mesoporous Silica for Effective Trap of Mercury in Rats. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	1.5	6
69	Nanoparticles co-delivering pVSVMP and pIL12 for synergistic gene therapy of colon cancer. <i>RSC Advances</i> , 2017, 7, 32613-32623.	1.7	6
70	A nanoparticle-functionalized wound dressing device for toxin neutralization. <i>Materials and Design</i> , 2020, 188, 108431.	3.3	6
71	A biomimetic nanoparticle-enabled toxoid vaccine against melittin. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3251-3261.	3.3	5
72	Salvage treatment with erlotinib after gefitinib failure in advanced non-small-cell lung cancer patients with poor performance status: A matched-pair case-control study. <i>Thoracic Cancer</i> , 2012, 3, 27-33.	0.8	4

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73	Cancer Therapy with Nanoparticle-Medicated Intracellular Expression of Peptide CRM1-Inhibitor. International Journal of Nanomedicine, 2021, Volume 16, 2833-2847.	3.3	4
74	Nerve transfer with 3D-printed branch nerve conduits. Burns and Trauma, 2022, 10, tkac010.	2.3	4
75	Differential diagnosis of acute miliary pulmonary tuberculosis from widespread-metastatic cancer for postoperative lung cancer patients: two cases. Journal of Thoracic Disease, 2017, 9, E115-E120.	0.6	3
76	Enhanced antitumor effect of biodegradable cationic heparin-polyethyleneimine nanogels delivering FILIP1L ¹ C103 gene combined with low-dose cisplatin on ovarian cancer. Oncotarget, 2017, 8, 76432-76442.	0.8	2