

# Lianfu Deng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/378455/publications.pdf>

Version: 2024-02-01

113  
papers

5,286  
citations

81900

39  
h-index

102487

66  
g-index

121  
all docs

121  
docs citations

121  
times ranked

5154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascularized 3D printed scaffolds for promoting bone regeneration. <i>Biomaterials</i> , 2019, 190-191, 97-110.	11.4	345
2	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	260
3	Injectable Polypeptide-Protein Hydrogels for Promoting Infected Wound Healing. <i>Advanced Functional Materials</i> , 2020, 30, 2001196.	14.9	186
4	Hierarchical micro/nanofibrous membranes of sustained releasing VEGF for periosteal regeneration. <i>Biomaterials</i> , 2020, 227, 119555.	11.4	185
5	Pharmaceutical electrospinning and 3D printing scaffold design for bone regeneration. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 504-534.	13.7	163
6	Capturing Magnesium Ions via Microfluidic Hydrogel Microspheres for Promoting Cancellous Bone Regeneration. <i>ACS Nano</i> , 2021, 15, 13041-13054.	14.6	133
7	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. <i>Biomaterials</i> , 2020, 232, 119706.	11.4	127
8	Microenvironment-responsive immunoregulatory electrospun fibers for promoting nerve function recovery. <i>Nature Communications</i> , 2020, 11, 4504.	12.8	127
9	Biomimetic injectable hydrogel microspheres with enhanced lubrication and controllable drug release for the treatment of osteoarthritis. <i>Bioactive Materials</i> , 2021, 6, 3596-3607.	15.6	122
10	Bioinspired Hydrogel Electrospun Fibers for Spinal Cord Regeneration. <i>Advanced Functional Materials</i> , 2019, 29, 1806899.	14.9	118
11	Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery. <i>Advanced Functional Materials</i> , 2021, 31, 2103339.	14.9	117
12	Upregulating Hif-1 $\alpha$ by Hydrogel Nanofibrous Scaffolds for Rapidly Recruiting Angiogenesis Relative Cells in Diabetic Wound. <i>Advanced Healthcare Materials</i> , 2016, 5, 907-918.	7.6	110
13	Modulation of Local Overactive Inflammation via Injectable Hydrogel Microspheres. <i>Nano Letters</i> , 2021, 21, 2690-2698.	9.1	101
14	Self-Healing Hydrogel Embodied with Macrophage Regulation and Responsive Gene Silencing Properties for Synergistic Prevention of Peritendinous Adhesion. <i>Advanced Materials</i> , 2022, 34, e2106564.	21.0	95
15	Cooperative Assembly of a Peptide Gelator and Silk Fibroin Afford an Injectable Hydrogel for Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12474-12484.	8.0	91
16	Colon-Targeted Adhesive Hydrogel Microsphere for Regulation of Gut Immunity and Flora. <i>Advanced Science</i> , 2021, 8, e2101619.	11.2	91
17	Gradient bimetallic ion-based hydrogels for tissue microstructure reconstruction of tendon-to-bone insertion. <i>Science Advances</i> , 2021, 7, .	10.3	83
18	Euryale Ferox Seed-Inspired Superlubricated Nanoparticles for Treatment of Osteoarthritis. <i>Advanced Functional Materials</i> , 2019, 29, 1807559.	14.9	80

#	ARTICLE	IF	CITATIONS
19	Cartilage matrix-inspired biomimetic superlubricated nanospheres for treatment of osteoarthritis. <i>Biomaterials</i> , 2020, 242, 119931.	11.4	77
20	MicroRNA-17/20a inhibits glucocorticoid-induced osteoclast differentiation and function through targeting RANKL expression in osteoblast cells. <i>Bone</i> , 2014, 68, 67-75.	2.9	76
21	Endogenous Electric Field-Coupled Electrospun Short Fiber via Collecting Wound Exudation. <i>Advanced Materials</i> , 2022, 34, e2108325.	21.0	75
22	Ball-Bearing-Inspired Polyampholyte-Modified Microspheres as Bio-Lubricants Attenuate Osteoarthritis. <i>Small</i> , 2020, 16, e2004519.	10.0	73
23	Stem cell-laden injectable hydrogel microspheres for cancellous bone regeneration. <i>Chemical Engineering Journal</i> , 2020, 393, 124715.	12.7	71
24	Lotus seedpod-inspired internal vascularized 3D printed scaffold for bone tissue repair. <i>Bioactive Materials</i> , 2021, 6, 1639-1652.	15.6	70
25	Engineering immunomodulatory and osteoinductive implant surfaces via mussel adhesion-mediated ion coordination and molecular clicking. <i>Nature Communications</i> , 2022, 13, 160.	12.8	66
26	Hydration-Enhanced Lubricating Electrospun Nanofibrous Membranes Prevent Tissue Adhesion. <i>Research</i> , 2020, 2020, 4907185.	5.7	64
27	Enhanced Osteogenesis of Bone Marrow-Derived Mesenchymal Stem Cells by a Functionalized Silk Fibroin Hydrogel for Bone Defect Repair. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801043.	7.6	63
28	Charge-Guided Micro/Nano-Hydrogel Microsphere for Penetrating Cartilage Matrix. <i>Advanced Functional Materials</i> , 2021, 31, 2107678.	14.9	63
29	Adhesive liposomes loaded onto an injectable, self-healing and antibacterial hydrogel for promoting bone reconstruction. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	61
30	Black phosphorus-based 2D materials for bone therapy. <i>Bioactive Materials</i> , 2020, 5, 1026-1043.	15.6	60
31	Bioinspired Hyaluronic Acid/Phosphorylcholine Polymer with Enhanced Lubrication and Anti-Inflammation. <i>Biomacromolecules</i> , 2019, 20, 4135-4142.	5.4	58
32	Injectable nano-micron-combined gene-hydrogel microspheres for local treatment of osteoarthritis. <i>NPG Asia Materials</i> , 2022, 14, .	7.9	58
33	Bioinspired Functional Black Phosphorus Electrospun Fibers Achieving Recruitment and Biom mineralization for Staged Bone Regeneration. <i>Small</i> , 2020, 16, e2005433.	10.0	57
34	Enzymatic Formation of an Injectable Hydrogel from a Glycopeptide as a Biomimetic Scaffold for Vascularization. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6180-6189.	8.0	54
35	An electrospun fiber-covered stent with programmable dual drug release for endothelialization acceleration and lumen stenosis prevention. <i>Acta Biomaterialia</i> , 2019, 94, 295-305.	8.3	50
36	Fullerol-hydrogel microfluidic spheres for in situ redox regulation of stem cell fate and refractory bone healing. <i>Bioactive Materials</i> , 2021, 6, 4801-4815.	15.6	49

#	ARTICLE	IF	CITATIONS
37	Open-Shell Nanosensitizers for Glutathione Responsive Cancer Sonodynamic Therapy. <i>Advanced Materials</i> , 2022, 34, e2110283.	21.0	48
38	Estrogen inhibits osteoclasts formation and bone resorption via microRNA-27a targeting PPAR $\beta$ and APC. <i>Journal of Cellular Physiology</i> , 2019, 234, 581-594.	4.1	45
39	Glucocorticoid inhibits cell proliferation in differentiating osteoblasts by microRNA-199a targeting of WNT signaling. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 325-337.	2.5	42
40	Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem cells in skin flap regeneration. <i>Applied Materials Today</i> , 2018, 13, 54-63.	4.3	42
41	Metabolism Balance Regulation via Antagonist-Functionalized Injectable Microsphere for Nucleus Pulposus Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 2006333.	14.9	40
42	Flexible Osteogenic Glue as an All-in-One Solution to Assist Fracture Fixation and Healing. <i>Advanced Functional Materials</i> , 2021, 31, 2102465.	14.9	40
43	Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases. <i>Advanced Materials</i> , 2019, 31, e1805452.	21.0	38
44	The Prognostic Value of the Hawkins Sign and Diagnostic Value of MRI After Talar Neck Fractures. <i>Foot and Ankle International</i> , 2014, 35, 1255-1261.	2.3	37
45	Core Binding Factor Beta ( <i>Cbfb</i> ) Controls the Balance of Chondrocyte Proliferation and Differentiation by Upregulating Indian hedgehog (Ihh) Expression and Inhibiting Parathyroid Hormone-Related Protein Receptor (PPR) Expression in Postnatal Cartilage and Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1564-1574.	2.8	37
46	HIF-1 $\alpha$ disturbs osteoblasts and osteoclasts coupling in bone remodeling by up-regulating OPC expression. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 808-814.	1.5	37
47	Adhesive nanoparticles with inflammation regulation for promoting skin flap regeneration. <i>Journal of Controlled Release</i> , 2019, 297, 91-101.	9.9	37
48	A Novel Rhein Derivative Modulates Bone Formation and Resorption and Ameliorates Estrogen-Dependent Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 361-374.	2.8	36
49	Capturing dynamic biological signals via bio-mimicking hydrogel for precise remodeling of soft tissue. <i>Bioactive Materials</i> , 2021, 6, 4506-4516.	15.6	36
50	Osteoblast Hypoxia-Inducible Factor-1 $\alpha$ Pathway Activation Restrains Osteoclastogenesis via the Interleukin-33-MicroRNA-34a-Notch1 Pathway. <i>Frontiers in Immunology</i> , 2017, 8, 1312.	4.8	35
51	Localized Controlled Delivery of Gemcitabine via Microsol Electrospun Fibers to Prevent Pancreatic Cancer Recurrence. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800593.	7.6	35
52	CircHmbox1 Targeting miRNA-1247-5p Is Involved in the Regulation of Bone Metabolism by TNF- $\alpha$ in Postmenopausal Osteoporosis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 594785.	3.7	35
53	Heme oxygenase-1 attenuates IL-1 $\beta$ induced alteration of anabolic and catabolic activities in intervertebral disc degeneration. <i>Scientific Reports</i> , 2016, 6, 21190.	3.3	33
54	Osteoclast proton pump regulator Atp6v1c1 enhances breast cancer growth by activating the mTORC1 pathway and bone metastasis by increasing V-ATPase activity. <i>Oncotarget</i> , 2017, 8, 47675-47690.	1.8	33

#	ARTICLE	IF	CITATIONS
55	Nanoparticle-Embedded Electrospun Fiber-Covered Stent to Assist Intraluminal Photodynamic Treatment of Oesophageal Cancer. <i>Small</i> , 2019, 15, e1904979.	10.0	33
56	An immunological electrospun scaffold for tumor cell killing and healthy tissue regeneration. <i>Materials Horizons</i> , 2018, 5, 1082-1091.	12.2	31
57	Transcriptome Analysis Revealed the Symbiosis Niche of 3D Scaffolds to Accelerate Bone Defect Healing. <i>Advanced Science</i> , 2022, 9, e2105194.	11.2	31
58	MMP-2 Responsive Unidirectional Hydrogel-Electrospun Patch Loading TGF- $\beta$ 1 siRNA Polyplexes for Peritendinous Anti-Adhesion. <i>Advanced Functional Materials</i> , 2021, 31, 2008364.	14.9	30
59	Ice-Inspired Superlubricated Electrospun Nanofibrous Membrane for Preventing Tissue Adhesion. <i>Nano Letters</i> , 2020, 20, 6420-6428.	9.1	29
60	Thermo-Sensitive Dual-Functional Nanospheres with Enhanced Lubrication and Drug Delivery for the Treatment of Osteoarthritis. <i>Chemistry - A European Journal</i> , 2020, 26, 10564-10574.	3.3	29
61	Osteoblast-Secreted Factors Promote Proliferation and Osteogenic Differentiation of Bone Marrow Stromal Cells via VEGF/Heme-Oxygenase-1 Pathway. <i>PLoS ONE</i> , 2014, 9, e99946.	2.5	28
62	Inflammatory microRNA-194 and -515 attenuate the biosynthesis of chondroitin sulfate during human intervertebral disc degeneration. <i>Oncotarget</i> , 2017, 8, 49303-49317.	1.8	28
63	Desferrioxamine reduces ultrahigh-molecular-weight polyethylene-induced osteolysis by restraining inflammatory osteoclastogenesis via heme oxygenase-1. <i>Cell Death and Disease</i> , 2016, 7, e2435-e2435.	6.3	27
64	Multifunctional integrally-medicalized hydrogel system with internal synergy for efficient tissue regeneration. <i>Chemical Engineering Journal</i> , 2021, 406, 126839.	12.7	27
65	Repair of Microdamage in Osteonal Cortical Bone Adjacent to Bone Screw. <i>PLoS ONE</i> , 2014, 9, e89343.	2.5	26
66	Synthesis and biological evaluation of rhein amides as inhibitors of osteoclast differentiation and bone resorption. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 769-776.	5.5	25
67	Microfluidic Hydrogel Microspheres: Injectable Microfluidic Hydrogel Microspheres for Cell and Drug Delivery ( <i>Adv. Funct. Mater.</i> 31/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170227.	14.9	25
68	Electrospun Fibers Improving Cellular Respiration via Mitochondrial Protection. <i>Small</i> , 2021, 17, e2104012.	10.0	25
69	Double-stranded RNA released from damaged articular chondrocytes promotes cartilage degeneration via Toll-like receptor 3-interleukin-33 pathway. <i>Cell Death and Disease</i> , 2017, 8, e3165-e3165.	6.3	24
70	Periosteal CD68 <sup>+</sup> F4/80 <sup>+</sup> Macrophages Are Mechanosensitive for Cortical Bone Formation by Secretion and Activation of TGF- $\beta$ 1. <i>Advanced Science</i> , 2022, 9, e2103343.	11.2	24
71	Silencing Gene-Engineered Injectable Hydrogel Microsphere for Regulation of Extracellular Matrix Metabolism Balance. <i>Small Methods</i> , 2022, 6, e2101201.	8.6	24
72	Gelatin-based composite hydrogels with biomimetic lubrication and sustained drug release. <i>Friction</i> , 2022, 10, 232-246.	6.4	23

#	ARTICLE	IF	CITATIONS
73	Recent advance of erythrocyte-mimicking nanovehicles: From bench to bedside. <i>Journal of Controlled Release</i> , 2019, 314, 81-91.	9.9	22
74	Self-Nanoemulsifying Electrospun Fiber Enhancing Drug Permeation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7836-7849.	8.0	21
75	SF-deferoxamine, a bone-seeking angiogenic drug, prevents bone loss in estrogen-deficient mice. <i>Bone</i> , 2019, 120, 156-165.	2.9	21
76	Light-Controlled Nanosystem with Size-Flexibility Improves Targeted Retention for Tumor Suppression. <i>Advanced Functional Materials</i> , 2021, 31, 2101262.	14.9	21
77	TRAF6 neddylation drives inflammatory arthritis by increasing NF- $\kappa$ B activation. <i>Laboratory Investigation</i> , 2019, 99, 528-538.	3.7	19
78	The osteoprotective role of USP26 in coordinating bone formation and resorption. <i>Cell Death and Differentiation</i> , 2022, 29, 1123-1136.	11.2	19
79	Increased EZH2 and decreased osteoblastogenesis during local irradiation-induced bone loss in rats. <i>Scientific Reports</i> , 2016, 6, 31318.	3.3	18
80	Baicalein alleviates osteoarthritis by protecting subchondral bone, inhibiting angiogenesis and synovial proliferation. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5283-5294.	3.6	18
81	Development of Small-Molecules Targeting Receptor Activator of Nuclear Factor- $\kappa$ B Ligand (RANKL)-Receptor Activator of Nuclear Factor- $\kappa$ B (RANK) Protein-Protein Interaction by Structure-Based Virtual Screening and Hit Optimization. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5370-5381.	6.4	16
82	SEN3 Suppresses Osteoclastogenesis by De-conjugating SUMO2/3 from IRF8 in Bone Marrow-Derived Monocytes. <i>Cell Reports</i> , 2020, 30, 1951-1963.e4.	6.4	16
83	Strontium Ranelate Reduces the Fracture Incidence in a Growing Mouse Model of Osteogenesis Imperfecta. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1003-1014.	2.8	15
84	Transporting Hydrogel via Chinese Acupuncture Needles for Lesion Positioning Therapy. <i>Advanced Science</i> , 2022, 9, e2200079.	11.2	15
85	Increased 15-lipoxygenase-1 expression in chondrocytes contributes to the pathogenesis of osteoarthritis. <i>Cell Death and Disease</i> , 2017, 8, e3109-e3109.	6.3	14
86	Bipolar Metal Flexible Electrospun Fibrous Membrane Based on Metal-Organic Framework for Gradient Healing of Tendon-Bone Interface Regeneration. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200072.	7.6	14
87	A Biomaterial-Based Hedging Immune Strategy for Scarless Tendon Healing. <i>Advanced Materials</i> , 2022, 34, e2200789.	21.0	14
88	Synthesis of Rigid Analogues of Flavone by Intramolecular Heck Reaction. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3040-3043.	2.4	13
89	Small molecule nA $\beta$ targeting cAMP response element binding protein (CREB) and CREB-binding protein interaction inhibits breast cancer bone metastasis. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1224-1234.	3.6	13
90	CMAP Scan Examination of the First Dorsal Interosseous Muscle After Spinal Cord Injury. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1199-1205.	4.9	13

#	ARTICLE	IF	CITATIONS
91	Reliability of measurements on lateral ankle radiographs. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 297.	1.9	12
92	The effects of tranilcypromine on osteoclastogenesis <i>in vitro</i> and <i>in vivo</i> . <i>FASEB Journal</i> , 2019, 33, 9828-9841.	0.5	12
93	Osteocytic HIF-1 $\beta$ Pathway Manipulates Bone Micro-structure and Remodeling via Regulating Osteocyte Terminal Differentiation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 721561.	3.7	11
94	Regulated macrophage immune microenvironment in 3D printed scaffolds for bone tumor postoperative treatment. <i>Bioactive Materials</i> , 2023, 19, 474-485.	15.6	11
95	Biological homeostasis-inspired light-excited multistage nanocarriers induce dual apoptosis in tumors. <i>Biomaterials</i> , 2021, 279, 121194.	11.4	10
96	Circulating MicroRNA as Potential Source for Neurodegenerative Diseases Biomarkers. <i>Molecular Neurobiology</i> , 2015, 52, 1494-1503.	4.0	9
97	Being Two Is Better than Being One: A Facile Strategy to Fabricate Multicomponent Nanoparticles for Efficient Gene Delivery. <i>Bioconjugate Chemistry</i> , 2016, 27, 638-646.	3.6	6
98	Tissue Regeneration: Bioinspired Hydrogel Electrospun Fibers for Spinal Cord Regeneration (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	14.9	6
99	High Mineralization Capacity of IDG-SW3 Cells in 3D Collagen Hydrogel for Bone Healing in Estrogen-Deficient Mice. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 864.	4.1	6
100	TRIM21 drives intervertebral disc degeneration induced by oxidative stress via mediating HIF-1 $\beta$ degradation. <i>Biochemical and Biophysical Research Communications</i> , 2021, 555, 46-53.	2.1	6
101	Multistage signal-interactive nanoparticles improve tumor targeting through efficient nanoparticle-cell communications. <i>Cell Reports</i> , 2021, 35, 109131.	6.4	6
102	Engineered Customizable Microvessels for Progressive Vascularization in Large Regenerative Implants. <i>Advanced Healthcare Materials</i> , 2021, , 2101836.	7.6	6
103	1 $\beta$ -Asarone Attenuates Osteoclastogenesis and Prevents Against Oestrogen-Deficiency Induced Osteoporosis. <i>Frontiers in Pharmacology</i> , 2022, 13, 780590.	3.5	6
104	The prevention of latanoprost on osteoclastogenesis <i>in vitro</i> and lipopolysaccharide $\alpha$ -induced murine calvaria osteolysis <i>in vivo</i> . <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4680-4691.	2.6	5
105	Infiltration from Suspension Systems Enables Effective Modulation of 3D Scaffold Properties in Suspension Bioprinting. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27575-27588.	8.0	4
106	Metal $\alpha$ -Based Stents: Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i>	21.6	2
107	Injectable Porous Microspheres: Metabolism Balance Regulation via Antagonist $\alpha$ -Functionalized Injectable Microsphere for Nucleus Pulposus Regeneration (Adv. Funct. Mater. 52/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070348.	14.9	2
108	Endogenous Electric $\alpha$ -Field $\alpha$ -Coupled Electrospun Short Fiber via Collecting Wound Exudation (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	21.0	2

#	ARTICLE	IF	CITATIONS
109	Microvascular Scaffolds: A Biomimetic 3D Self-Forming Approach for Microvascular Scaffolds (Adv.) Tj ETQq1 1 0,784314,rgBT /Ove	11.2	1
110	Atp6v1c1 Facilitates Breast Cancer Growth and Bone Metastasis through the mTORC1 Pathway. FASEB Journal, 2015, 29, 284.8.	0.5	1
111	Motor Unit Number Estimation of the Second Lumbrical Muscle in Human Hand. Frontiers in Physiology, 2022, 13, 854385.	2.8	1
112	Response to Comment on Strontium Ranelate Reduces the Fracture Incidence in a Growing Mouse Model of Osteogenesis Imperfecta. Journal of Bone and Mineral Research, 2016, 31, 2066-2066.	2.8	0
113	Self-Healing: Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration (Adv. Sci. 3/2019). Advanced Science, 2019, 6, 1970019.	11.2	0