

# Lingqing Dong

## List of Publications by Year in descending order

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47  
papers

927  
citations

471477

17  
h-index

477281

29  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic magneto-mechanical stimulation on collagen coatings to accelerate osteogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112227.	5.0	8
2	Cancer cell migration on straight, wavy, loop and grid microfibre patterns. <i>Biofabrication</i> , 2022, 14, 024102.	7.1	8
3	Simultaneous acceleration of osteogenesis and angiogenesis by surface oxygen vacancies of rutile nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112348.	5.0	1
4	Improved osseointegration of strontium-modified titanium implants by regulating angiogenesis and macrophage polarization. <i>Biomaterials Science</i> , 2022, 10, 2198-2214.	5.4	18
5	Effects of electrical stimulation on cytokine-induced macrophage polarization. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2022, 16, 448-459.	2.7	12
6	Accelerated Osteogenesis of Heterogeneous Electric Potential Gradient on CFO/P(VDF-TrFE) Membranes. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
7	The osteogenic response to chirality-patterned surface potential distribution of CFO/P(VDF-TrFE) membranes. <i>Biomaterials Science</i> , 2022, 10, 4576-4587.	5.4	4
8	Polarization behavior of bone marrow-derived macrophages on charged P(VDF-TrFE) coatings. <i>Biomaterials Science</i> , 2021, 9, 874-881.	5.4	19
9	Accelerated Neurite Outgrowth and Neurogenesis of PC12 Cells on an Fe-doped TiO <sub>2</sub> Nanorod Film Triggered by Visible Light. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 577-585.	5.2	3
10	Enhanced osteogenic differentiation of mesenchymal stem cells on P(VDF-TrFE) layer coated microelectrodes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 2227-2236.	3.4	11
11	KLF2+ stemness maintains human mesenchymal stem cells in bone regeneration. <i>Stem Cells</i> , 2020, 38, 395-409.	3.2	15
12	Ultraviolet Radiant Energy-Dependent Functionalization Regulates Cellular Behavior on Titanium Dioxide Nanodots. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 31793-31803.	8.0	5
13	Enhancing osteogenic differentiation of BMSCs on high magnetoelectric response films. <i>Materials Science and Engineering C</i> , 2020, 113, 110970.	7.3	24
14	Novel Platform for Surface-Mediated Gene Delivery Assisted with Visible-Light Illumination. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17290-17301.	8.0	5
15	Controlled Release of Naringin in GelMA-Incorporated Rutile Nanorod Films to Regulate Osteogenic Differentiation of Mesenchymal Stem Cells. <i>ACS Omega</i> , 2019, 4, 19350-19357.	3.5	23
16	Chiral geometry regulates stem cell fate and activity. <i>Biomaterials</i> , 2019, 222, 119456.	11.4	26
17	Enhanced osteogenesis of quasi-three-dimensional hierarchical topography. <i>Journal of Nanobiotechnology</i> , 2019, 17, 102.	9.1	12
18	Surface hydroxyls regulation promotes light-induced cell detachment on TiO <sub>2</sub> nanodot films. <i>Surface and Coatings Technology</i> , 2019, 358, 461-466.	4.8	6

#	ARTICLE	IF	CITATIONS
19	Insights into the Osteogenic Differentiation of Mesenchymal Stem Cells on Crystalline and Vitreous Silica. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3352-3360.	5.2	4
20	Surface Modification by Divalent Main-Group-Elemental Ions for Improved Bone Remodeling To Instruct Implant Biofabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3311-3324.	5.2	15
21	Comprehensive Evaluation of Surface Potential Characteristics on Mesenchymal Stem Cells's Osteogenic Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22218-22227.	8.0	24
22	In Situ Controlled Surface Microstructure of 3D Printed Ti Alloy to Promote Its Osteointegration. <i>Materials</i> , 2019, 12, 815.	2.9	14
23	Periodic-Mechanical-Stimulus Enhanced Osteogenic Differentiation of Mesenchymal Stem Cells on Fe <sub>3</sub> O <sub>4</sub> /Mineralized Collagen Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6446-6453.	5.2	14
24	Surface hydroxylation regulates cellular osteogeneses on TiO <sub>2</sub> and Ta <sub>2</sub> O <sub>5</sub> nanorod films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 213-219.	5.0	12
25	Harnessing Cell Dynamic Responses on Magnetoelectric Nanocomposite Films to Promote Osteogenic Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7841-7851.	8.0	62
26	Surface potential-governed cellular osteogenic differentiation on ferroelectric polyvinylidene fluoride trifluoroethylene films. <i>Acta Biomaterialia</i> , 2018, 74, 291-301.	8.3	31
27	Magnetically Assisted Electrodeposition of Aligned Collagen Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1528-1535.	5.2	16
28	Magnetically actuated mechanical stimuli on Fe <sub>3</sub> O <sub>4</sub> /mineralized collagen coatings to enhance osteogenic differentiation of the MC3T3-E1 cells. <i>Acta Biomaterialia</i> , 2018, 71, 49-60.	8.3	56
29	ALK5 transfection of bone marrow mesenchymal stem cells to repair osteoarthritis of knee joint. <i>Bio-Design and Manufacturing</i> , 2018, 1, 135-145.	7.7	1
30	Charge injection based electrical stimulation on polypyrrole planar electrodes to regulate cellular osteogenic differentiation. <i>RSC Advances</i> , 2018, 8, 18470-18479.	3.6	12
31	Enhanced cellular osteogenic differentiation on Zn-containing bioglass incorporated TiO <sub>2</sub> nanorod films. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 136.	3.6	3
32	Enhanced Osteointegration of Hierarchical Structured 3D-Printed Titanium Implants. <i>ACS Applied Bio Materials</i> , 2018, 1, 90-99.	4.6	13
33	Surface Atomic Structure Directs the Fate of Human Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15274-15285.	8.0	20
34	Surface hydroxyl groups regulate the osteogenic differentiation of mesenchymal stem cells on titanium and tantalum metals. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3955-3963.	5.8	38
35	Effect of hierarchical pore structure on ALP expression of MC3T3-E1 cells on bioglass films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 213-220.	5.0	21
36	Controlled Release of Naringin in Metal-Organic Framework-Loaded Mineralized Collagen Coating to Simultaneously Enhance Osseointegration and Antibacterial Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19698-19705.	8.0	97

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37	Engineering prevascularized composite cell sheet by light-induced cell sheet technology. RSC Advances, 2017, 7, 32468-32477.	3.6	9
38	Mediation of cellular osteogenic differentiation through daily stimulation time based on polypyrrole planar electrodes. Scientific Reports, 2017, 7, 17926.	3.3	35
39	Cell responses on a H2Ti3O7 nanowire film. RSC Advances, 2017, 7, 33606-33613.	3.6	3
40	Light-Induced Cell Alignment and Harvest for Anisotropic Cell Sheet Technology. ACS Applied Materials & Interfaces, 2017, 9, 36513-36524.	8.0	43
41	Facet-Specific Mineralization Behavior of Nano-CaP on Anatase Polyhedral Microcrystals. ACS Biomaterials Science and Engineering, 2017, 3, 875-881.	5.2	4
42	Enhanced biological performance on nano-microstructured surfaces assembled by SrTiO <sub>3</sub> cubic nanocrystals. RSC Advances, 2015, 5, 67896-67900.	3.6	3
43	Low-temperature reduction "pyrolysis" catalysis synthesis of carbon nanospheres for lithium-ion batteries. RSC Advances, 2015, 5, 55474-55477.	3.6	5
44	Shape-controlled growth of SrTiO <sub>3</sub> polyhedral submicro/nanocrystals. Nano Research, 2014, 7, 1311-1318.	10.4	73
45	Effect of mineralization agents on the surface structure and dielectric properties of SrTiO <sub>3</sub> nanocrystals. CrystEngComm, 2014, 16, 10750-10753.	2.6	7
46	Facet-Specific Assembly of Proteins on SrTiO <sub>3</sub> Polyhedral Nanocrystals. Scientific Reports, 2014, 4, 5084.	3.3	35
47	Hydrothermal growth of rutile TiO <sub>2</sub> nanorod films on titanium substrates. Thin Solid Films, 2011, 519, 4634-4640.	1.8	49