

# Serena Duchi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

1,169  
citations

19  
h-index

34  
g-index

45  
ext. papers

1,507  
ext. citations

6  
avg, IF

4.21  
L-index

#	Paper	IF	Citations
42	In situ handheld three-dimensional bioprinting for cartilage regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 611-621	4.4	155
41	The vacuolar ATPase is required for physiological as well as pathological activation of the Notch receptor. <i>Development (Cambridge)</i> , <b>2010</b> , 137, 1825-32	6.6	112
40	Handheld Co-Axial Bioprinting: Application to in situ surgical cartilage repair. <i>Scientific Reports</i> , <b>2017</b> , 7, 5837	4.9	109
39	Tailoring the mechanical properties of gelatin methacryloyl hydrogels through manipulation of the photocrosslinking conditions. <i>Soft Matter</i> , <b>2018</b> , 14, 2142-2151	3.6	76
38	Mesenchymal stem cells as delivery vehicle of porphyrin loaded nanoparticles: effective photoinduced in vitro killing of osteosarcoma. <i>Journal of Controlled Release</i> , <b>2013</b> , 168, 225-37	11.7	64
37	Building up the Drosophila eggshell: first of all the eggshell genes must be transcribed. <i>Developmental Dynamics</i> , <b>2008</b> , 237, 2061-72	2.9	60
36	Biofabrication of human articular cartilage: a path towards the development of a clinical treatment. <i>Biofabrication</i> , <b>2018</b> , 10, 045006	10.5	48
35	Pharmacologic inhibition of vacuolar H <sup>+</sup> ATPase reduces physiologic and oncogenic Notch signaling. <i>Molecular Oncology</i> , <b>2014</b> , 8, 207-20	7.9	47
34	Selective pressures at a codon-level predict deleterious mutations in human disease genes. <i>Journal of Molecular Biology</i> , <b>2006</b> , 358, 1390-404	6.5	38
33	Barrier-to-autointegration factor (BAF) involvement in prelamins A-related chromatin organization changes. <i>Oncotarget</i> , <b>2016</b> , 7, 15662-77	3.3	35
32	Adipose-Derived Mesenchymal Stem Cells in the Use of Cartilage Tissue Engineering: The Need for a Rapid Isolation Procedure. <i>Stem Cells International</i> , <b>2018</b> , 2018, 8947548	5	25
31	Evaluation of sterilisation methods for bio-ink components: gelatin, gelatin methacryloyl, hyaluronic acid and hyaluronic acid methacryloyl. <i>Biofabrication</i> , <b>2019</b> , 11, 035003	10.5	24
30	Human articular cartilage repair: Sources and detection of cytotoxicity and genotoxicity in photo-crosslinkable hydrogel bioscaffolds. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 302-315	6.9	24
29	Protein kinase B/AKT isoform 2 drives migration of human mesenchymal stem cells. <i>International Journal of Oncology</i> , <b>2013</b> , 42, 118-26	4.4	22
28	Functionalized Keratin as Nanotechnology-Based Drug Delivery System for the Pharmacological Treatment of Osteosarcoma. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	21
27	Three-dimensional neural cultures produce networks that mimic native brain activity. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 490-493	4.4	20
26	Chlorin e6 keratin nanoparticles for photodynamic anticancer therapy. <i>RSC Advances</i> , <b>2016</b> , 6, 33910-33918	3.7	20

25	Development of near-infrared photoactivable phthalocyanine-loaded nanoparticles to kill tumor cells: An improved tool for photodynamic therapy of solid cancers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 1885-1897	6	20
24	When size matters: differences in demineralized bone matrix particles affect collagen structure, mesenchymal stem cell behavior, and osteogenic potential. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1019-1033	5.4	19
23	Mesenchymal stromal cells mediated delivery of photoactive nanoparticles inhibits osteosarcoma growth in vitro and in a murine in vivo ectopic model. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2020</b> , 39, 40	12.8	19
22	Long term morphological characterization of mesenchymal stromal cells 3D spheroids built with a rapid method based on entry-level equipment. <i>Cytotechnology</i> , <b>2016</b> , 68, 2479-2490	2.2	19
21	Notch signaling during development requires the function of awd, the Drosophila homolog of human metastasis suppressor gene Nm23. <i>BMC Biology</i> , <b>2014</b> , 12, 12	7.3	18
20	Drosophila VHL tumor-suppressor gene regulates epithelial morphogenesis by promoting microtubule and aPKC stability. <i>Development (Cambridge)</i> , <b>2010</b> , 137, 1493-503	6.6	18
19	Genetic, functional and evolutionary characterization of scox, the Drosophila melanogaster ortholog of the human SCO1 gene. <i>Mitochondrion</i> , <b>2010</b> , 10, 433-48	4.9	18
18	The impact on microtubule network of a bracovirus IkappaB-like protein. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 1699-712	10.3	17
17	Fluorescence quantitation of thyrocyte iodide accumulation with the yellow fluorescent protein variant YFP-H148Q/I152L. <i>Analytical Biochemistry</i> , <b>2008</b> , 373, 239-46	3.1	16
16	Characterizing Bioinks for Extrusion Bioprinting: Printability and Rheology. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2140, 111-133	1.4	15
15	A new holistic 3D non-invasive analysis of cellular distribution and motility on fibroin-alginate microcarriers using light sheet fluorescent microscopy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183336	3.7	13
14	Detection of mesenchymal stem cells senescence by prelamin A accumulation at the nuclear level. <i>SpringerPlus</i> , <b>2016</b> , 5, 1427		13
13	Free-form co-axial bioprinting of a gelatin methacryloyl bio-ink by direct in situ photo-crosslinking during extrusion. <i>Bioprinting</i> , <b>2020</b> , 19, e00087	7	11
12	In vitro biosafety profile evaluation of multipotent mesenchymal stem cells derived from the bone marrow of sarcoma patients. <i>Journal of Translational Medicine</i> , <b>2014</b> , 12, 95	8.5	8
11	FLASH: Fluorescently Labeled Sensitive Hydrogel to monitor bioscaffolds degradation during neocartilage generation. <i>Biomaterials</i> , <b>2021</b> , 264, 120383	15.6	7
10	Enhanced Electroactivity, Mechanical Properties, and Printability through the Addition of Graphene Oxide to Photo-Cross-linkable Gelatin Methacryloyl Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2279-2295	5.5	6
9	Evidence for a novel function of Awd in maintenance of genomic stability. <i>Scientific Reports</i> , <b>2017</b> , 7, 16820	4.9	5
8	Egfr signaling modulates VM32E gene expression during Drosophila oogenesis. <i>Development Genes and Evolution</i> , <b>2007</b> , 217, 529-40	1.8	5

7	Printing between the Lines: Intricate Biomaterial Structures Fabricated via Negative Embodied Sacrificial Template 3D (NEST3D) Printing. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100189	6.8	5
6	Formation of alginate microspheres prepared by optimized microfluidics parameters for high encapsulation of bioactive molecules. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 240-251	9.3	5
5	Selective sensitiveness of mesenchymal stem cells to shock waves leads to anticancer effect in human cancer cell co-cultures. <i>Life Sciences</i> , <b>2017</b> , 173, 28-35	6.8	3
4	Microbial Transglutaminase Improves Adhesion of Gelatin Methacryloyl Hydrogels to Human Cartilage.. <i>Frontiers in Medical Technology</i> , <b>2021</b> , 3, 773673	1.9	2
3	Characterization and cytocompatibility of a new injectable multiphasic bone substitute based on a combination of polysaccharide gel-coated OSPROLIFE(®) HA/TTCP granules and bone marrow concentrate. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 894-902	3.5	1
2	Molecular Pathogenesis of Sporadic Desmoid Tumours and Its Implications for Novel Therapies: A Systematised Narrative Review.. <i>Targeted Oncology</i> , <b>2022</b> , 1	5	0
1	Drosophila VHL tumor-suppressor gene regulates epithelial morphogenesis by promoting microtubule and aPKC stability. <i>Journal of Cell Science</i> , <b>2010</b> , 123, e1-e1	5.3	