

# Claudia Di Bella

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2385293/publications.pdf>

Version: 2024-02-01

59  
papers

2,561  
citations

201385

27  
h-index

197535

49  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3298  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Challenge of Cartilage Integration: Understanding a Major Barrier to Chondral Repair. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 114-128.	2.5	25
2	Molecular Pathogenesis of Sporadic Desmoid Tumours and Its Implications for Novel Therapies: A Systematised Narrative Review. <i>Targeted Oncology</i> , 2022, 17, 223-252.	1.7	3
3	Standardised quantitative ultrasound imaging approach for the contact-less three-dimensional analysis of neocartilage formation in hydrogel-based bioscaffolds. <i>Acta Biomaterialia</i> , 2022, 147, 129-146.	4.1	5
4	Assessment of Native Human Articular Cartilage: A Biomechanical Protocol. <i>Cartilage</i> , 2021, 13, 427S-437S.	1.4	24
5	Creating <i>In Vitro</i> Three-Dimensional Tumor Models: A Guide for the Biofabrication of a Primary Osteosarcoma Model. <i>Tissue Engineering - Part B: Reviews</i> , 2021, 27, 514-529.	2.5	14
6	Human Stem Cell Based Tissue Engineering for <i>In Vivo</i> Cartilage Repair: A Systematic Review. <i>Tissue Engineering - Part B: Reviews</i> , 2021, 27, 74-93.	2.5	10
7	Planned combined onco-plastic (COP) surgical approach improves oncologic outcomes in soft tissue sarcomas. <i>European Journal of Surgical Oncology</i> , 2021, 47, 443-449.	0.5	4
8	FLASH: Fluorescently Labeled Sensitive Hydrogel to monitor bioscaffolds degradation during neocartilage generation. <i>Biomaterials</i> , 2021, 264, 120383.	5.7	32
9	Formation of alginate microspheres prepared by optimized microfluidics parameters for high encapsulation of bioactive molecules. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 240-251.	5.0	25
10	Characterization of Polycaprolactone Nanohydroxyapatite Composites with Tunable Degradability Suitable for Indirect Printing. <i>Polymers</i> , 2021, 13, 295.	2.0	22
11	Printing between the Lines: Intricate Biomaterial Structures Fabricated via Negative Embodied Sacrificial Template 3D (NEST3D) Printing. <i>Advanced Materials Technologies</i> , 2021, 6, 2100189.	3.0	14
12	Electrostatic Distortion of $\Delta$ Electrowritten Patterns by 3D Objects: Quantification, Modeling, and Toolpath Correction. <i>Advanced Materials Technologies</i> , 2021, 6, 2100345.	3.0	13
13	Microencapsulation of growth factors by microfluidic system. <i>MethodsX</i> , 2021, 8, 101324.	0.7	5
14	The Importance of Margins in Sarcoma Surgery. , 2021, , 213-222.		0
15	Microbial Transglutaminase Improves <i>ex vivo</i> Adhesion of Gelatin Methacryloyl Hydrogels to Human Cartilage. <i>Frontiers in Medical Technology</i> , 2021, 3, 773673.	1.3	10
16	3D Printed Multiphasic Scaffolds for Osteochondral Repair: Challenges and Opportunities. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12420.	1.8	18
17	Human articular cartilage repair: Sources and detection of cytotoxicity and genotoxicity in photo-crosslinkable hydrogel bioscaffolds. <i>Stem Cells Translational Medicine</i> , 2020, 9, 302-315.	1.6	45
18	Highlights of the 2019 Annual Academic Surgery Conference. <i>ANZ Journal of Surgery</i> , 2020, 90, 200-201.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Free-form co-axial bioprinting of a gelatin methacryloyl bio-ink by direct in situ photo-crosslinking during extrusion. <i>Bioprinting</i> , 2020, 19, e00087.	2.9	24
20	Fractured osteochondroma presenting with popliteal pseudoaneurysm: Case report and review of literature. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2020, 6, 96-100.	0.3	6
21	The role of Thallium-201 scintigraphy and Tc-99m pentavalent dimercaptosuccinic acid in diagnosis and grading of chondrosarcoma. <i>European Journal of Radiology</i> , 2020, 125, 108846.	1.2	6
22	Bioprinting Stem Cells in Hydrogel for In Situ Surgical Application: A Case for Articular Cartilage. <i>Methods in Molecular Biology</i> , 2020, 2140, 145-157.	0.4	12
23	Evaluation of sterilisation methods for bio-ink components: gelatin, gelatin methacryloyl, hyaluronic acid and hyaluronic acid methacryloyl. <i>Biofabrication</i> , 2019, 11, 035003.	3.7	44
24	Protocols for Culturing and Imaging a Human Ex Vivo Osteochondral Model for Cartilage Biomanufacturing Applications. <i>Materials</i> , 2019, 12, 640.	1.3	14
25	Tailoring the mechanical properties of gelatin methacryloyl hydrogels through manipulation of the photocrosslinking conditions. <i>Soft Matter</i> , 2018, 14, 2142-2151.	1.2	123
26	<i>In situ</i> handheld three-dimensional bioprinting for cartilage regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 611-621.	1.3	232
27	Cartilage Tissue Engineering Using Stem Cells and Bioprinting Technology—Barriers to Clinical Translation. <i>Frontiers in Surgery</i> , 2018, 5, 70.	0.6	67
28	Adipose-Derived Mesenchymal Stem Cells in the Use of Cartilage Tissue Engineering: The Need for a Rapid Isolation Procedure. <i>Stem Cells International</i> , 2018, 2018, 1-9.	1.2	47
29	Biofabrication of human articular cartilage: a path towards the development of a clinical treatment. <i>Biofabrication</i> , 2018, 10, 045006.	3.7	71
30	In vivo biocompatibility of porous and non-porous polypyrrole based trilayered actuators. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 172.	1.7	9
31	Handheld Co-Axial Bioprinting: Application to in situ surgical cartilage repair. <i>Scientific Reports</i> , 2017, 7, 5837.	1.6	160
32	Biopsy and the diagnostic evaluation of musculoskeletal tumours: critical but often missed in the 21st century. <i>ANZ Journal of Surgery</i> , 2016, 86, 133-138.	0.3	17
33	Development of the Biopen: a handheld device for surgical printing of adipose stem cells at a chondral wound site. <i>Biofabrication</i> , 2016, 8, 015019.	3.7	186
34	Tail of Superficial Myxofibrosarcoma and Undifferentiated Pleomorphic Sarcoma After Preoperative Radiotherapy. <i>Anticancer Research</i> , 2016, 36, 2339-44.	0.5	20
35	3D Bioprinting of Cartilage for Orthopedic Surgeons: Reading between the Lines. <i>Frontiers in Surgery</i> , 2015, 2, 39.	0.6	84
36	Response to Re: The osteochondral dilemma: review of current management and future trends. <i>ANZ Journal of Surgery</i> , 2014, 84, 696-696.	0.3	1

#	ARTICLE	IF	CITATIONS
37	A rapid method for obtaining mesenchymal stem cells and platelets from bone marrow aspirate. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 483-492.	1.3	7
38	Differentiation of Stem Cells from Human Infrapatellar Fat Pad: Characterization of Cells Undergoing Chondrogenesis. <i>Tissue Engineering - Part A</i> , 2014, 20, 2213-2223.	1.6	29
39	The osteochondral dilemma: review of current management and future trends. <i>ANZ Journal of Surgery</i> , 2014, 84, 211-217.	0.3	33
40	Bioengineering of articular cartilage: past, present and future. <i>Regenerative Medicine</i> , 2013, 8, 333-349.	0.8	30
41	The Posterior Iliac Crest Outperforms the Anterior Iliac Crest When Obtaining Mesenchymal Stem Cells from Bone Marrow. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 1101-1107.	1.4	84
42	Functional Reconstruction of Sarcoma Defects Utilising Innervated Free Flaps. <i>Sarcoma</i> , 2012, 2012, 1-8.	0.7	41
43	Efficient isolation and enrichment of mesenchymal stem cells from bone marrow. <i>Cytotherapy</i> , 2012, 14, 686-693.	0.3	34
44	<sup>18</sup> F-FDG PET response to neoadjuvant chemotherapy for Ewing sarcoma and osteosarcoma are different. <i>Skeletal Radiology</i> , 2011, 40, 1007-1015.	1.2	60
45	Alloprosthetic Composite is a Suitable Reconstruction After Periacetabular Tumor Resection. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 1450-1458.	0.7	50
46	Mesenchymal stem cells and platelet lysate in fibrin or collagen scaffold promote non-cemented hip prosthesis integration. <i>Journal of Orthopaedic Research</i> , 2011, 29, 961-968.	1.2	27
47	Surgical Treatment of Grade I Central Chondrosarcoma. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 581-589.	0.7	70
48	Injection of Demineralized Bone Matrix With Bone Marrow Concentrate Improves Healing in Unicameral Bone Cyst. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 3047-3055.	0.7	52
49	Osteogenic Protein-1 Associated with Mesenchymal Stem Cells Promote Bone Allograft Integration. <i>Tissue Engineering - Part A</i> , 2010, 16, 2967-2976.	1.6	20
50	The use of fluoride cement: preliminary experimental study and clinical application. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 91, 141-146.	0.2	2
51	Historical review of bone prefabrication. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 92, 73-78.	0.2	6
52	Allograft-Prosthetic Composite in the Proximal Tibia After Bone Tumor Resection. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 459-465.	0.7	94
53	Clear cell chondrosarcoma of bone: long time follow-up of 18 cases. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2008, 128, 137-142.	1.3	60
54	Bone Regeneration in a Rabbit Critical-Sized Skull Defect Using Autologous Adipose-Derived Cells. <i>Tissue Engineering - Part A</i> , 2008, 14, 483-490.	1.6	101

#	ARTICLE	IF	CITATIONS
55	Local and distant control in non-metastatic pelvic Ewing's sarcoma patients. Journal of Surgical Oncology, 2007, 96, 19-25.	0.8	55
56	Adult osteomyelitis: debridement versus debridement plus Osteoset T pellets. Acta Orthopaedica Belgica, 2007, 73, 238-43.	0.1	63
57	Stromal Stem Cells and Platelet-Rich Plasma Improve Bone Allograft Integration. Clinical Orthopaedics and Related Research, 2005, &NA;, 62-68.	0.7	113
58	The use of massive bone allografts in bone tumour surgery of the limb. Orthopaedics and Trauma, 2005, 19, 393-399.	0.3	20
59	Surgical treatment and outcome of conventional pelvic chondrosarcoma. Journal of Bone and Joint Surgery: British Volume, 2005, 87-B, 1527-1530.	3.4	118