

# Carmine Onofrillo

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,132  
citations

586496

16  
h-index

488211

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1920  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Suitability of Marine- and Porcine-Derived Collagen Type I Hydrogels for Bioprinting and Tissue Engineering Scaffolds. <i>Marine Drugs</i> , 2022, 20, 366.	2.2	12
3	FLASH: Fluorescently Labeled Sensitive Hydrogel to monitor bioscaffolds degradation during neocartilage generation. <i>Biomaterials</i> , 2021, 264, 120383.	5.7	32
4	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
5	Characterization of Polycaprolactone Nanohydroxyapatite Composites with Tunable Degradability Suitable for Indirect Printing. <i>Polymers</i> , 2021, 13, 295.	2.0	22
6	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
7	Photothermal release and recovery of mesenchymal stem cells from substrates functionalized with gold nanorods. <i>Acta Biomaterialia</i> , 2021, 129, 110-121.	4.1	2
8	Electrostatic Distortion of Melt-Extruded Patterns by 3D Objects: Quantification, Modeling, and Toolpath Correction. <i>Advanced Materials Technologies</i> , 2021, 6, 2100345.	3.0	13
9	Microencapsulation of growth factors by microfluidic system. <i>MethodsX</i> , 2021, 8, 101324.	0.7	5
10	Microbial Transglutaminase Improves ex vivo Adhesion of Gelatin Methacryloyl Hydrogels to Human Cartilage. <i>Frontiers in Medical Technology</i> , 2021, 3, 773673.	1.3	10
11	3D Printed Multiphasic Scaffolds for Osteochondral Repair: Challenges and Opportunities. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12420.	1.8	18
12	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
13	DKC1 Overexpression Induces a More Aggressive Cellular Behavior and Increases Intrinsic Ribosomal Activity in Immortalized Mammary Gland Cells. <i>Cancers</i> , 2020, 12, 3512.	1.7	21
14	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
15	Characterizing Bioinks for Extrusion Bioprinting: Printability and Rheology. <i>Methods in Molecular Biology</i> , 2020, 2140, 111-133.	0.4	32
16	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
17	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
18	Protocols for Culturing and Imaging a Human Ex Vivo Osteochondral Model for Cartilage Biomanufacturing Applications. <i>Materials</i> , 2019, 12, 640.	1.3	14

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19	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
20	<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
21	Design, Fabrication and Validation of a Precursor Pulsed Electromagnetic Field Device for Bone Fracture Repair. , 2018, 2018, 4166-4169.		1
22	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
23	Biofabrication of human articular cartilage: a path towards the development of a clinical treatment. <i>Biofabrication</i> , 2018, 10, 045006.	3.7	71
24	Alternative Overexpression of NRF2 or MYC Defines a Subgroup of Poor Prognosis Acute Myeloid Leukemia and Suggests a Novel Therapeutic Strategy By Combined Bromodomain Inhibition and Forced NRF2 Pathway Activation. <i>Blood</i> , 2018, 132, 2639-2639.	0.6	8
25	Cap-independent protein synthesis is enhanced by betaine under hypertonic conditions. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 936-940.	1.0	3
26	Handheld Co-Axial Bioprinting: Application to in situ surgical cartilage repair. <i>Scientific Reports</i> , 2017, 7, 5837.	1.6	160
27	The pre-existing population of 5S rRNA effects p53 stabilization during ribosome biogenesis inhibition. <i>Oncotarget</i> , 2017, 8, 4257-4267.	0.8	10
28	Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. <i>Oncotarget</i> , 2017, 8, 37091-37103.	0.8	19
29	Abstract A15: Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. , 2017, , .		0
30	Therapeutic dosages of aspirin counteract the IL-6 induced pro-tumorigenic effects by slowing down the ribosome biogenesis rate. <i>Oncotarget</i> , 2016, 7, 63226-63241.	0.8	15
31	Human ribosomes from cells with reduced dyskerin levels are intrinsically altered in translation. <i>FASEB Journal</i> , 2015, 29, 3472-3482.	0.2	57
32	p53-dependent and p53-independent anticancer activity of a new indole derivative in human osteosarcoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 348-353.	1.0	9
33	Inhibition of Human Dyskerin as a New Approach to Target Ribosome Biogenesis. <i>PLoS ONE</i> , 2014, 9, e101971.	1.1	27