

# Rachid Jellali

## List of Publications by Year in descending order

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30  
papers

511  
citations

566801

15  
h-index

676716

22  
g-index

30  
all docs

30  
docs citations

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times ranked

640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale-Engineered Muscle Constructs: PEG Hydrogel Micro-Patterning on an Electrospun PCL Mat Functionalized with Gold Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 260.	1.8	7
2	Liver organ-on-chip models for toxicity studies and risk assessment. <i>Lab on A Chip</i> , 2022, 22, 2423-2450.	3.1	33
3	Multi-omics analysis of hiPSCs-derived HLCs matured on-chip revealed patterns typical of liver regeneration. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3716-3732.	1.7	7
4	Analysis of the behavior of 2D monolayers and 3D spheroid human pancreatic beta cells derived from induced pluripotent stem cells in a microfluidic environment. <i>Journal of Biotechnology</i> , 2021, 330, 45-56.	1.9	20
5	Investigation of steatosis profiles induced by pesticides using liver organ-on-chip model and omics analysis. <i>Food and Chemical Toxicology</i> , 2021, 152, 112155.	1.8	15
6	Investigation of the hepatic development in the coculture of hiPSCs-derived LSECs and HLCs in a fluidic microenvironment. <i>APL Bioengineering</i> , 2021, 5, 026104.	3.3	8
7	Cryogel-Integrated Biochip for Liver Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2021, 4, 5617-5626.	2.3	16
8	Characterization of the proteome and metabolome of human liver sinusoidal endothelial-like cells derived from induced pluripotent stem cells. <i>Differentiation</i> , 2021, 120, 28-35.	1.0	1
9	Integration of metabolomic and transcriptomic profiling to compare two protocols of differentiation of human induced pluripotent stem cells into hepatocytes. <i>Process Biochemistry</i> , 2020, 88, 138-147.	1.8	2
10	Membrane bioreactors for bio-artificial pancreas. , 2020, , 77-108.		2
11	Metabolomic profiling during the differentiation of human induced pluripotent stem cells into hepatocyte-like cells. <i>Differentiation</i> , 2020, 112, 17-26.	1.0	10
12	Development of a pancreas-liver organ-on-chip coculture model for organ-to-organ interaction studies. <i>Biochemical Engineering Journal</i> , 2020, 164, 107783.	1.8	34
13	Microwell-based pancreas-on-chip model enhances genes expression and functionality of rat islets of Langerhans. <i>Molecular and Cellular Endocrinology</i> , 2020, 514, 110892.	1.6	24
14	Integration of metabolomic and transcriptomic profiles of hiPSCs-derived hepatocytes in a microfluidic environment. <i>Biochemical Engineering Journal</i> , 2020, 155, 107490.	1.8	5
15	Photo-Cross-Linkable Coumarin-Based Poly( $\mu$ -caprolactone) for Light-Controlled Design and Reconfiguration of Shape-Memory Polymer Networks. <i>Macromolecules</i> , 2019, 52, 444-456.	2.2	41
16	Metabolomics-on-chip approach to study hepatotoxicity of DDT, permethrin and their mixtures. <i>Journal of Applied Toxicology</i> , 2018, 38, 1121-1134.	1.4	21
17	Effects of DDT and permethrin on rat hepatocytes cultivated in microfluidic biochips: Metabolomics and gene expression study. <i>Environmental Toxicology and Pharmacology</i> , 2018, 59, 1-12.	2.0	19
18	Photosensitive polydimethylsiloxane networks for adjustable-patterned films. <i>Polymer Chemistry</i> , 2017, 8, 2499-2508.	1.9	20

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19	Photoreversibility and Biocompatibility of Polydimethylsiloxane-Coumarin as Adjustable Intraocular Lens Material. <i>Macromolecular Bioscience</i> , 2017, 17, 1600495.	2.1	17
20	Online monitoring of hepatic rat metabolism by coupling a liver biochip and a mass spectrometer. <i>Analyst, The</i> , 2017, 142, 3747-3757.	1.7	12
21	Long-term human primary hepatocyte cultures in a microfluidic liver biochip show maintenance of mRNA levels and higher drug metabolism compared with Petri cultures. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 264-275.	1.1	31
22	Analysis of the biocompatibility of perfluoropolyether dimethacrylate network using an organotypic method. <i>Materials Science and Engineering C</i> , 2016, 65, 295-302.	3.8	12
23	Liver and kidney cells cultures in a new perfluoropolyether biochip. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 396-407.	4.0	38
24	Investigation of omeprazole and phenacetin first-pass metabolism in humans using a microscale bioreactor and pharmacokinetic models. <i>Biopharmaceutics and Drug Disposition</i> , 2015, 36, 275-293.	1.1	31
25	Investigation of acetaminophen toxicity in HepG2/C3a microscale cultures using a system biology model of glutathione depletion. <i>Cell Biology and Toxicology</i> , 2015, 31, 173-185.	2.4	20
26	Synthesis of new photocurable oligoisoprenes and kinetic studies of their radical photopolymerization. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1359-1368.	1.3	10
27	Antifouling activity of novel polyisoprene-based coatings made from photocurable natural rubber derived oligomers. <i>Progress in Organic Coatings</i> , 2013, 76, 1203-1214.	1.9	36
28	Antifouling Action of Polyisoprene-Based Coatings by Inhibition of Photosynthesis in Microalgae. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6573-6581.	4.6	11
29	Synthesis and crosslinking kinetic study of epoxidized and acrylated/epoxidized oligoisoprenes: Comparison between cationic and radical photopolymerization. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2489-2497.	1.3	8
30	Cryogel-Integrated Biochip for Liver Tissue Engineering. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0