

Vianney Delplace

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,287
citations

567281

15
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

1911
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradable vinyl polymers for biomedical applications. <i>Nature Chemistry</i> , 2015, 7, 771-784.	13.6	294
2	Recent trends in the design of anticancer polymer prodrug nanocarriers. <i>Polymer Chemistry</i> , 2014, 5, 1529-1544.	3.9	246
3	Degradable and Comb-Like PEG-Based Copolymers by Nitroxide-Mediated Radical Ring-Opening Polymerization. <i>Biomacromolecules</i> , 2013, 14, 3769-3779.	5.4	87
4	Lessons learned from intervertebral disc pathophysiology to guide rational design of sequential delivery systems for therapeutic biological factors. <i>Advanced Drug Delivery Reviews</i> , 2019, 149-150, 49-71.	13.7	71
5	Delivery strategies for treatment of age-related ocular diseases: From a biological understanding to biomaterial solutions. <i>Journal of Controlled Release</i> , 2015, 219, 652-668.	9.9	66
6	Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16515-16520.	13.8	65
7	Controlled release strategy designed for intravitreal protein delivery to the retina. <i>Journal of Controlled Release</i> , 2019, 293, 10-20.	9.9	48
8	Nitroxide-Mediated Radical Ring-Opening Copolymerization: Chain-End Investigation and Block Copolymer Synthesis. <i>Macromolecular Rapid Communications</i> , 2014, 35, 484-491.	3.9	45
9	Nonswelling, Ultralow Content Inverse Electron-Demand Diels-Alder Hyaluronan Hydrogels with Tunable Gelation Time: Synthesis and In Vitro Evaluation. <i>Advanced Functional Materials</i> , 2020, 30, 1903978.	14.9	44
10	A ring to rule them all: a cyclic ketene acetal comonomer controls the nitroxide-mediated polymerization of methacrylates and confers tunable degradability. <i>Chemical Communications</i> , 2015, 51, 12847-12850.	4.1	43
11	RGD decoration of PEGylated polyester nanocapsules of perfluorooctyl bromide for tumor imaging: Influence of pre or post-functionalization on capsule morphology. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 170-177.	4.3	39
12	Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. <i>Polymer Chemistry</i> , 2013, 4, 4776.	3.9	38
13	Inverse Electron-Demand Diels-Alder Methylcellulose Hydrogels Enable the Co-delivery of Chondroitinase ABC and Neural Progenitor Cells. <i>Biomacromolecules</i> , 2020, 21, 2421-2431.	5.4	31
14	Local Affinity Release. <i>ACS Nano</i> , 2016, 10, 6433-6436.	14.6	27
15	Material-Assisted Strategies for Osteochondral Defect Repair. <i>Advanced Science</i> , 2022, 9, e2200050.	11.2	25
16	Osteoarthritis: From upcoming treatments to treatments yet to come. <i>Joint Bone Spine</i> , 2021, 88, 105206.	1.6	18
17	One-Step Synthesis of Azlactone-Functionalized SG1-Based Alkoxyamine for Nitroxide-Mediated Polymerization and Bioconjugation. <i>Macromolecules</i> , 2015, 48, 2087-2097.	4.8	16
18	Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. <i>Angewandte Chemie</i> , 2017, 129, 16742-16747.	2.0	15

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19	Nanoparticle delivery of a pH-sensitive prodrug of doxorubicin and a mitochondrial targeting VES-H8R8 synergistically kill multi-drug resistant breast cancer cells. <i>Scientific Reports</i> , 2020, 10, 8726.	3.3	15
20	Cationic block amphiphiles show anti-mitochondrial activity in multi-drug resistant breast cancer cells. <i>Journal of Controlled Release</i> , 2019, 305, 210-219.	9.9	14
21	Modeling of Photoreceptor Donor-Host Interaction Following Transplantation Reveals a Role for Crx, M μ 4llar Glia, and Rho/ROCK Signaling in Neurite Outgrowth. <i>Stem Cells</i> , 2019, 37, 529-541.	3.2	14
22	On the structureâ€“control relationship of amide-functionalized SG1-based alkoxyamines for nitroxide-mediated polymerization and conjugation. <i>Polymer Chemistry</i> , 2015, 6, 5693-5704.	3.9	13
23	In Situ Forming, Silanized Hyaluronic Acid Hydrogels with Fine Control Over Mechanical Properties and In Vivo Degradation for Tissue Engineering Applications. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000981.	7.6	12
24	Bioengineered and Regenerative Medicine Strategies for Retina Repair. <i>Fundamental Biomedical Technologies</i> , 2018, , 51-86.	0.2	0
25	ArthroseÂ: des traitements Ã venir aux traitements dâ€™avenir. <i>Revue Du Rhumatisme Monographies</i> , 2021, 88, 165-171.	0.0	0
26	Biodegradable vinyl polymers synthesized by nitroxide-mediated radical ring-opening polymerization, for biomedical applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 4, .	4.1	0