

William Monroe

List of Publications by Year in descending order

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34
papers

1,132
citations

430874

18
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1426
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Expression with Light Using Caged DNA. <i>Journal of Biological Chemistry</i> , 1999, 274, 20895-20900.	3.4	157
2	Silver Nanoscale Antisense Drug Delivery System for Photoactivated Gene Silencing. <i>ACS Nano</i> , 2013, 7, 2948-2959.	14.6	128
3	Photobiological effects of UVA and UVB light in zebrafish embryos: Evidence for a competent photorepair system. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2007, 88, 137-146.	3.8	102
4	Caged siRNAs for Spatiotemporal Control of Gene Silencing. <i>Molecular Pharmaceutics</i> , 2009, 6, 669-685.	4.6	84
5	Photoinduced RNA interference using DMNPE-caged 2'-deoxy-2'-fluoro substituted nucleic acids in vitro and in vivo. <i>Molecular BioSystems</i> , 2008, 4, 431.	2.9	73
6	Photoactivated miR-148b nanoparticle conjugates improve closure of critical size mouse calvarial defects. <i>Acta Biomaterialia</i> , 2015, 12, 166-173.	8.3	53
7	A planar microfluidic mixer based on logarithmic spirals. <i>Journal of Micromechanics and Microengineering</i> , 2012, 22, 055019.	2.6	49
8	Control of DNA Hybridization with Photocleavable Adducts. <i>Photochemistry and Photobiology</i> , 2005, 81, 953.	2.5	47
9	Photobiological and thermal effects of photoactivating UVA light doses on cell cultures. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 649.	2.9	40
10	Three-dimensional printing with polylactic acid (PLA) thermoplastic offers new opportunities for cryobiology. <i>Cryobiology</i> , 2016, 73, 396-398.	0.7	40
11	Fully 2'-Deoxy-2'-Fluoro Substituted Nucleic Acids Induce RNA Interference in Mammalian Cell Culture. <i>Chemical Biology and Drug Design</i> , 2007, 70, 113-122.	3.2	34
12	Ex Vivo Comparison of Three Surgical Techniques to Stabilize Canine Cranial Cruciate Ligament Deficient Stifles. <i>Veterinary Surgery</i> , 2010, 39, 195-207.	1.0	26
13	Antimicrobial biocompatible bioscaffolds for orthopaedic implants. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 386-395.	2.7	26
14	Biocompatible/bioabsorbable silver nanocomposite coatings. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3042-3053.	2.6	24
15	Microfluidics and numerical simulation as methods for standardization of zebrafish sperm cell activation. <i>Biomedical Microdevices</i> , 2015, 17, 65.	2.8	24
16	Freezing and post-thaw apoptotic behaviour of cells in the presence of palmitoyl nanogold particles. <i>Nanotechnology</i> , 2007, 18, 195104.	2.6	23
17	Microfluidic mixing for sperm activation and motility analysis of pearl Danio zebrafish. <i>Theriogenology</i> , 2012, 78, 334-344.	2.1	22
18	Functionalization of Gold and Glass Surfaces with Magnetic Nanoparticles Using Biomolecular Interactions. <i>Biotechnology Progress</i> , 2006, 22, 91-95.	2.6	20

#	ARTICLE	IF	CITATIONS
19	The emerging role of open technologies for community-based improvement of cryopreservation and quality management for repository development in aquatic species. <i>Animal Reproduction Science</i> , 2022, 246, 106871.	1.5	18
20	Characterization of Plasmid DNA Location within Chitosan/PLGA/pDNA Nanoparticle Complexes Designed for Gene Delivery. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-9.	2.7	17
21	A microfluidic device for motility and osmolality analysis of zebrafish sperm. <i>Biomedical Microdevices</i> , 2018, 20, 67.	2.8	14
22	3-D printed customizable vitrification devices for preservation of genetic resources of aquatic species. <i>Aquacultural Engineering</i> , 2020, 90, 102097.	3.1	14
23	Characterization and applications of serum-free induced adhesion in jurkat suspension cells. <i>Biotechnology and Bioengineering</i> , 2010, 106, 784-793.	3.3	13
24	UVA-induced photo recovery during early zebrafish embryogenesis. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2008, 93, 162-171.	3.8	12
25	Molecular Beacon Sequence Design Algorithm. <i>BioTechniques</i> , 2003, 34, 68-73.	1.8	11
26	A 3D Printed Vitrification Device for Storage in Cryopreservation Vials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7977.	2.5	11
27	Low-Cost Resin 3-D Printing for Rapid Prototyping of Microdevices: Opportunities for Supporting Aquatic Germplasm Repositories. <i>Fishes</i> , 2022, 7, 49.	1.7	11
28	Development of an open hardware 3-D printed conveyor device for continuous cryopreservation of non-batched samples. <i>Aquacultural Engineering</i> , 2021, 95, 102202.	3.1	10
29	Microfabrication of low-cost customisable counting chambers for standardised estimation of sperm concentration. <i>Reproduction, Fertility and Development</i> , 2020, 32, 873.	0.4	9
30	Modulation of mesenchymal stem cell behavior by nano- and micro-sized β -tricalcium phosphate particles in suspension and composite structures. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	7
31	Novel anterior cruciate ligament graft fixation device reduces slippage. <i>Medical Devices: Evidence and Research</i> , 2013, 6, 59.	0.8	6
32	An Open-Hardware Insemination Device for Small-Bodied Live-Bearing Fishes to Support Development and Use of Germplasm Repositories. <i>Animals</i> , 2022, 12, 961.	2.3	5
33	New Challenges. , 2005, , 461-538.		2
34	Control of DNA Hybridization with Photocleavable Adducts. <i>Photochemistry and Photobiology</i> , 2005, 81, 953-959.	2.5	0