

Nicholas D Evans

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

4,628
citations

393982

19
h-index

344852

36
g-index

45
all docs

45
docs citations

45
times ranked

8399
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexity in biomaterials for tissue engineering. <i>Nature Materials</i> , 2009, 8, 457-470.	13.3	1,495
2	Fluorescence-based glucose sensors. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2555-2565.	5.3	530
3	The role of intracellular calcium phosphate in osteoblast-mediated bone apatite formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14170-14175.	3.3	429
4	Substrate stiffness affects early differentiation events in embryonic stem cells. , 2009, 18, 1-14.		387
5	Comparative materials differences revealed in engineered bone as a function of cell-specific differentiation. <i>Nature Materials</i> , 2009, 8, 763-770.	13.3	223
6	Epithelial mechanobiology, skin wound healing, and the stem cell niche. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 28, 397-409.	1.5	209
7	Clay nanoparticles for regenerative medicine and biomaterial design: A review of clay bioactivity. <i>Biomaterials</i> , 2018, 159, 204-214.	5.7	201
8	In vivo glucose monitoring: the clinical reality and the promise. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1897-1902.	5.3	184
9	Scaffolds for stem cells. <i>Materials Today</i> , 2006, 9, 26-33.	8.3	121
10	Extracellular matrix-mediated osteogenic differentiation of murine embryonic stem cells. <i>Biomaterials</i> , 2010, 31, 3244-3252.	5.7	86
11	The chorioallantoic membrane (CAM) assay for the study of human bone regeneration: a refinement animal model for tissue engineering. <i>Scientific Reports</i> , 2016, 6, 32168.	1.6	81
12	The role of material structure and mechanical properties in cell-matrix interactions. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2345.	2.9	66
13	Changes in embryonic stem cell colony morphology and early differentiation markers driven by colloidal crystal topographical cues. , 2012, 23, 135-146.		56
14	Augmenting Endogenous Wnt Signaling Improves Skin Wound Healing. <i>PLoS ONE</i> , 2013, 8, e76883.	1.1	55
15	Nanoanalytical Electron Microscopy Reveals a Sequential Mineralization Process Involving Carbonate-Containing Amorphous Precursors. <i>ACS Nano</i> , 2016, 10, 6826-6835.	7.3	53
16	Glucose-dependent changes in NAD(P)H-related fluorescence lifetime of adipocytes and fibroblasts in vitro: Potential for non-invasive glucose sensing in diabetes mellitus. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 80, 122-129.	1.7	47
17	Injectable nanoclay gels for angiogenesis. <i>Acta Biomaterialia</i> , 2019, 100, 378-387.	4.1	46
18	Collective Cell Behavior in Mechanosensing of Substrate Thickness. <i>Biophysical Journal</i> , 2018, 114, 2743-2755.	0.2	38

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19	Quantification of intracellular payload release from polymersome nanoparticles. <i>Scientific Reports</i> , 2016, 6, 29460.	1.6	37
20	Non-Invasive Glucose Monitoring by NAD(P)H Autofluorescence Spectroscopy in Fibroblasts and Adipocytes: A Model for Skin Glucose Sensing. <i>Diabetes Technology and Therapeutics</i> , 2003, 5, 807-816.	2.4	35
21	Investigation of the Acoustic Vaporization Threshold of Lipid-Coated Perfluorobutane Nanodroplets Using Both High-Speed Optical Imaging and Acoustic Methods. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1826-1843.	0.7	21
22	The in vitro differentiation of rat neural stem cells into an insulin-expressing phenotype. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 570-577.	1.0	20
23	The role of lithium in the osteogenic bioactivity of clay nanoparticles. <i>Biomaterials Science</i> , 2021, 9, 3150-3161.	2.6	20
24	Uncoupling of Nutrient Metabolism From Insulin Secretion by Overexpression of Cytosolic Phospholipase A2. <i>Diabetes</i> , 2005, 54, 116-124.	0.3	19
25	PEGylated liposomes associate with Wnt3A protein and expand putative stem cells in human bone marrow populations. <i>Nanomedicine</i> , 2017, 12, 845-863.	1.7	19
26	Mental transportation mediates nostalgia's psychological benefits. <i>Cognition and Emotion</i> , 2021, 35, 84-95.	1.2	19
27	Gene-expression analysis reveals that embryonic stem cells cultured under osteogenic conditions produce mineral non-specifically compared to marrow stromal cells or osteoblasts. , 2012, 24, 211-223.		16
28	Transient Canonical Wnt Stimulation Enriches Human Bone Marrow Mononuclear Cell Isolates for Osteoprogenitors. <i>Stem Cells</i> , 2016, 34, 418-430.	1.4	15
29	Polymersome nanoparticles for delivery of Wnt-activating small molecules. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1267-1277.	1.7	15
30	Combinatorial delivery of bioactive molecules by a nanoparticle-decorated and functionalized biodegradable scaffold. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4437-4445.	2.9	15
31	Tailoring the size of ultrasound responsive lipid-shelled nanodroplets by varying production parameters and environmental conditions. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105482.	3.8	13
32	Remodelling of human bone on the chorioallantoic membrane of the chicken egg: <i>De novo</i> bone formation and resorption. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1877-1890.	1.3	13
33	Romantic nostalgia as a resource for healthy relationships. <i>Journal of Social and Personal Relationships</i> , 2022, 39, 2181-2206.	1.4	13
34	Antibiotic-Loaded Polymersomes for Clearance of Intracellular <i>Burkholderia thailandensis</i> . <i>ACS Nano</i> , 2021, 15, 19284-19297.	7.3	10
35	Single-Molecule Imaging of Wnt3A Protein Diffusion on Living Cell Membranes. <i>Biophysical Journal</i> , 2017, 113, 2762-2767.	0.2	5
36	Synthetic Nanoclay Gels Do Not Cause Skin Irritation in Healthy Human Volunteers. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2716-2722.	2.6	5

#	ARTICLE	IF	CITATIONS
37	What shall we call God? An exploration of metaphors coded from descriptions of God from a large U.S. undergraduate sample. PLoS ONE, 2021, 16, e0254626.	1.1	4
38	On the Interpersonal Function of Metaphor Use. Social Psychology, 2021, 52, 23-35.	0.3	2
39	Physical Attraction Scale " Short Version: Cross-Cultural Validation. Journal of Relationships Research, 2020, 11, .	0.6	2
40	It Doesn't Apply to Me, So It Isn't Real: People Are Likely to Deny Science if It Contradicts Their Personality. Social Psychological and Personality Science, 2022, 13, 1032-1046.	2.4	1
41	The Potential of Stem Cells in Tissue Engineering. , 2007, , 85-105.		0
42	Development of a Nanodroplet Formulation for Triggered Release of BIO for Bone Fracture Healing. Proceedings (mdpi), 2020, 78, .	0.2	0