Brian D Holt

List of Publications by Year
in descending order

31 papers	944 citations	566801 15 h-index	454577 30 g-index
31 all docs	31 docs citations	31 times ranked	1583 citing authors

#	Article	IF	Citations
1	Ultra-low binder content 3D printed calcium phosphate graphene scaffolds as resorbable, osteoinductive matrices that support bone formation in vivo. Scientific Reports, 2022, 12, 6960.	1.6	9
2	Bioactive, Ionâ€Releasing PMMA Bone Cement Filled with Functional Graphenic Materials. Advanced Healthcare Materials, 2021, 10, e2001189.	3.9	15
3	The Blanket Effect: How Turning the World Upside Down Reveals the Nature of Graphene Oxide Cytocompatibility. Advanced Healthcare Materials, 2021, 10, e2001761.	3.9	5
4	Polyester functional graphenic materials as a mechanically enhanced scaffold for tissue regeneration. RSC Advances, 2020, 10, 8548-8557.	1.7	6
5	Covalent conjugation of bioactive peptides to graphene oxide for biomedical applications. Biomaterials Science, 2019, 7, 3876-3885.	2.6	46
6	Phosphate modified graphene oxide: Longâ€"term biodegradation and cytocompatibility. Carbon, 2019, 154, 342-349.	5.4	14
7	Functional Graphenic Materials That Seal Condenser Tube Leaks in Situ. ACS Applied Materials & Interfaces, 2019, 11, 20881-20887.	4.0	3
8	Therapeutic Methacrylic Comonomers for Covalently Controlled Release from Mechanically Robust Bone Cement: Kinetics and Structureâ€"Function Relationships. Macromolecules, 2019, 52, 3775-3786.	2.2	6
9	Injectable amine functionalized graphene and chondroitin sulfate hydrogel with potential for cartilage regeneration. Journal of Materials Chemistry B, 2019, 7, 2442-2453.	2.9	30
10	Phosphate graphene as an intrinsically osteoinductive scaffold for stem cell-driven bone regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4855-4860.	3.3	59
11	Functional Graphenic Materials, Graphene Oxide, and Graphene as Scaffolds for Bone Regeneration. Regenerative Engineering and Translational Medicine, 2019, 5, 190-209.	1.6	33
12	Dispersed single wall carbon nanotubes do not impact mitochondria structure or function, but technical issues during analysis could yield incorrect results. Journal of Materials Chemistry B, 2017, 5, 369-374.	2.9	4
13	Peptideâ€functionalized reduced graphene oxide as a bioactive mechanically robust tissue regeneration scaffold. Polymer International, 2017, 66, 1190-1198.	1.6	15
14	Covalently-controlled drug delivery via therapeutic methacrylic tissue adhesives. Journal of Materials Chemistry B, 2017, 5, 7743-7755.	2.9	9
15	Cover Image, Volume 66, Issue 8. Polymer International, 2017, 66, i-i.	1.6	0
16	Graphene oxide as a scaffold for bone regeneration. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1437.	3.3	63
17	Developing <i>Xenopus</i> embryos recover by compacting and expelling single wall carbon nanotubes. Journal of Applied Toxicology, 2016, 36, 579-585.	1.4	5
18	In It for the Long Haul: The Cytocompatibility of Aged Graphene Oxide and Its Degradation Products. Advanced Healthcare Materials, 2016, 5, 3056-3066.	3.9	32

#	Article	IF	Citations
19	Distribution of single wall carbon nanotubes in the Xenopus laevis embryo after microinjection. Journal of Applied Toxicology, 2016, 36, 568-578.	1.4	6
20	Delivering Single-Walled Carbon Nanotubes to the Nucleus Using Engineered Nuclear Protein Domains. ACS Applied Materials & Interfaces, 2016, 8, 3524-3534.	4.0	31
21	Differential sub-cellular processing of single-wall carbon nanotubes via interfacial modifications. Journal of Materials Chemistry B, 2015, 3, 6274-6284.	2.9	7
22	Subcellular Partitioning and Analysis of Gd³⁺-Loaded Ultrashort Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2015, 7, 14593-14602.	4.0	12
23	Actin Reorganization through Dynamic Interactions with Single-Wall Carbon Nanotubes. ACS Nano, 2014, 8, 188-197.	7.3	41
24	Decoding membrane- versus receptor-mediated delivery of single-walled carbon nanotubes into macrophages using modifications of nanotube surface coatings and cell activity. Soft Matter, 2013, 9, 758-764.	1.2	28
25	Cells Take up and Recover from Protein-Stabilized Single-Wall Carbon Nanotubes with Two Distinct Rates. ACS Nano, 2012, 6, 3481-3490.	7.3	41
26	Streptokinase Loading in Liposomes for Vascular Targeted Nanomedicine Applications: Encapsulation Efficiency and Effects of Processing. Journal of Biomaterials Applications, 2012, 26, 509-527.	1.2	11
27	Not all protein-mediated single-wall carbon nanotube dispersions are equally bioactive. Nanoscale, 2012, 4, 7425.	2.8	32
28	Altered Cell Mechanics from the Inside: Dispersed Single Wall Carbon Nanotubes Integrate with and Restructure Actin. Journal of Functional Biomaterials, 2012, 3, 398-417.	1.8	30
29	Single wall carbon nanotubes enter cells by endocytosis and not membrane penetration. Journal of Nanobiotechnology, 2011, 9, 45.	4.2	122
30	Quantification of Uptake and Localization of Bovine Serum Albuminâ€Stabilized Singleâ€Wall Carbon Nanotubes in Different Human Cell Types. Small, 2011, 7, 2348-2355.	5.2	101
31	Carbon Nanotubes Reorganize Actin Structures in Cells and <i>ex Vivo</i>. ACS Nano, 2010, 4, 4872-4878.	7.3	128