Stefanie A Sydlik

List of Publications by Year
in descending order

38 papers	1,557 citations	430874 18 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	3062 citing authors

#	Article	IF	Citations
1	Inhibition of biofilm formation induced by functional graphenic materials impregnated in Nile tilapia (Oreochromis niloticus) skin. Applied Surface Science, 2022, 576, 151768.	6.1	3
2	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.	3.3	9
3	Bioactive, Ionâ€Releasing PMMA Bone Cement Filled with Functional Graphenic Materials. Advanced Healthcare Materials, 2021, 10, e2001189.	7.6	15
4	Grapheneâ€Based Biomaterials for Bone Regenerative Engineering: A Comprehensive Review of the Field and Considerations Regarding Biocompatibility and Biodegradation. Advanced Healthcare Materials, 2021, 10, e2001414.	7.6	50
5	The Blanket Effect: How Turning the World Upside Down Reveals the Nature of Graphene Oxide Cytocompatibility. Advanced Healthcare Materials, 2021, 10, e2001761.	7.6	5
6	Hands-On Laboratory Experience Using Adhesives for Remote Learning of Polymer Chemistry. Journal of Chemical Education, 2021, 98, 3153-3162.	2.3	7
7	Tunable, bacterio-instructive scaffolds made from functional graphenic materials. Biomaterials Science, 2021, 9, 2467-2479.	5.4	7
8	One-Shot Synthesis of Peptide Amphiphiles with Applications in Directed Graphenic Assembly. Biomacromolecules, 2020, 21, 3878-3886.	5.4	6
9	Peptide- and Protein-Graphene Oxide Conjugate Materials for Controlling Mesenchymal Stem Cell Fate. Regenerative Engineering and Translational Medicine, 2020, , 1.	2.9	9
10	Acid Mine Drainage Remediation: Aluminum Chelation Using Functional Graphenic Materials. ACS Applied Materials & Interfaces, 2020, 12, 32642-32648.	8.0	4
11	Polyester functional graphenic materials as a mechanically enhanced scaffold for tissue regeneration. RSC Advances, 2020, 10, 8548-8557.	3.6	6
12	Covalent conjugation of bioactive peptides to graphene oxide for biomedical applications. Biomaterials Science, 2019, 7, 3876-3885.	5.4	46
13	Phosphate modified graphene oxide: Longâ€“term biodegradation and cytocompatibility. Carbon, 2019, 154, 342-349.	10.3	14
14	Functional Graphenic Materials That Seal Condenser Tube Leaks in Situ. ACS Applied Materials & Interfaces, 2019, 11, 20881-20887.	8.0	3
15	Therapeutic Methacrylic Comonomers for Covalently Controlled Release from Mechanically Robust Bone Cement: Kinetics and Structureâ€“Function Relationships. Macromolecules, 2019, 52, 3775-3786.	4.8	6
16	Teaching Polymer Theory through the Living Polymerization and Characterization of Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 2019, 96, 895-904.	2.3	11
17	Injectable amine functionalized graphene and chondroitin sulfate hydrogel with potential for cartilage regeneration. Journal of Materials Chemistry B, 2019, 7, 2442-2453.	5.8	30
18	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.	7.1	59

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19	Functional Graphenic Materials, Graphene Oxide, and Graphene as Scaffolds for Bone Regeneration. Regenerative Engineering and Translational Medicine, 2019, 5, 190-209.	2.9	33
20	Peptideâ€functionalized reduced graphene oxide as a bioactive mechanically robust tissue regeneration scaffold. Polymer International, 2017, 66, 1190-1198.	3.1	15
21	Increased Toughness and Excellent Electronic Properties in Regioregular Random Copolymers of 3â€Alkylthiophenes and Thiophene. Advanced Electronic Materials, 2017, 3, 1600316.	5.1	24
22	Covalently-controlled drug delivery via therapeutic methacrylic tissue adhesives. Journal of Materials Chemistry B, 2017, 5, 7743-7755.	5.8	9
23	Cover Image, Volume 66, Issue 8. Polymer International, 2017, 66, i-i.	3.1	0
24	Graphene oxide as a scaffold for bone regeneration. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1437.	6.1	63
25	In It for the Long Haul: The Cytocompatibility of Aged Graphene Oxide and Its Degradation Products. Advanced Healthcare Materials, 2016, 5, 3056-3066.	7.6	32
26	In Vivo Compatibility of Graphene Oxide with Differing Oxidation States. ACS Nano, 2015, 9, 3866-3874.	14.6	197
27	A Perspective on the Clinical Translation of Scaffolds for Tissue Engineering. Annals of Biomedical Engineering, 2015, 43, 641-656.	2.5	167
28	Phosphate Functionalized Graphene with Tunable Mechanical Properties. Advanced Materials, 2014, 26, 718-723.	21.0	41
29	Apparent Roughness as Indicator of (Local) Deoxygenation of Graphene Oxide. Chemistry of Materials, 2014, 26, 4849-4855.	6.7	10
30	The effect of mixing methods on the dispersion of carbon nanotubes during the solventâ€free processing of multiwalled carbon nanotube/epoxy composites. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 410-420.	2.1	47
31	Functional Graphenic Materials Via a Johnsonâ"Claisen Rearrangement. Advanced Functional Materials, 2013, 23, 1873-1882.	14.9	59
32	Supercapacitors from Free-Standing Polypyrrole/Graphene Nanocomposites. Journal of Physical Chemistry C, 2013, 117, 10270-10276.	3.1	151
33	Effects of graphene and carbon nanotube fillers on the shear properties of epoxy. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 997-1006.	2.1	10
34	Epoxy functionalized multi-walled carbon nanotubes for improved adhesives. Carbon, 2013, 59, 109-120.	10.3	105
35	Triptyceneâ€containing polyetherolefins via acyclic diene metathesis polymerization. Journal of Polymer Science Part A, 2013, 51, 1695-1706.	2.3	16
36	Triptycene Polyimides: Soluble Polymers with High Thermal Stability and Low Refractive Indices. Macromolecules, 2011, 44, 976-980.	4.8	160

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37	Well-defined, high molecular weight poly(3-alkylthiophene)s in thin-film transistors: side chain invariance in field-effect mobility. Journal of Materials Chemistry, 2010, 20, 3195.	6.7	50
38	Modular Functionalization of Carbon Nanotubes and Fullerenes. Journal of the American Chemical Society, 2009, 131, 8446-8454.	13.7	78