Conor S Boland

List of Publications by Year
in descending order

22 papers	4,813 citations	516215 16 h-index	676716 22 g-index
22 all docs	22 docs citations	22 times ranked	8424 citing authors

#	Article	IF	Citations
1	Printable Gâ€Putty for Frequencyâ€•and Rateâ€Independent, Highâ€Performance Strain Sensors. Small, 2021, 17, e2006542.	5.2	16
2	Highly Sensitive Composite Foam Bodily Sensors Based on the g-Putty Ink Soaking Procedure. ACS Applied Materials & Interfaces, 2021, 13, 60489-60497.	4.0	7
3	Quantifying the Contributing Factors toward Signal Fatigue in Nanocomposite Strain Sensors. ACS Applied Polymer Materials, 2020, 2, 3474-3480.	2.0	17
4	Low cost, high performance ultrafiltration membranes from glass fiber-PTFEâ€“graphene composites. Scientific Reports, 2020, 10, 21123.	1.6	8
5	Approaching the Limit of Electromechanical Performance in Mixed-Phase Nanocomposites. ACS Applied Nano Materials, 2020, 3, 11240-11246.	2.4	10
6	PtSe ₂ grown directly on polymer foil for use as a robust piezoresistive sensor. 2D Materials, 2019, 6, 045029.	2.0	33
7	High areal capacity battery electrodes enabled by segregated nanotube networks. Nature Energy, 2019, 4, 560-567.	19.8	281
8	Negative Gauge Factor Piezoresistive Composites Based on Polymers Filled with MoS₂ Nanosheets. ACS Nano, 2019, 13, 6845-6855.	7.3	52
9	High capacity silicon anodes enabled by MXene viscous aqueous ink. Nature Communications, 2019, 10, 849.	5.8	253
10	Stumbling through the Research Wilderness, Standard Methods To Shine Light on Electrically Conductive Nanocomposites for Future Healthcare Monitoring. ACS Nano, 2019, 13, 13627-13636.	7.3	35
11	Graphene-coated polymer foams as tuneable impact sensors. Nanoscale, 2018, 10, 5366-5375.	2.8	50
12	Liquid Exfoliated Co(OH)₂ Nanosheets as Lowâ€Cost, Yet Highâ€Performance, Catalysts for the Oxygen Evolution Reaction. Advanced Energy Materials, 2018, 8, 1702965.	10.2	92
13	The Effect of Network Formation on the Mechanical Properties of 1D:2D Nano:Nano Composites. Chemistry of Materials, 2018, 30, 5245-5255.	3.2	33
14	Optimising composite viscosity leads to high sensitivity electromechancial sensors. 2D Materials, 2018, 5, 035042.	2.0	16
15	Enabling Flexible Heterostructures for Liâ€Ion Battery Anodes Based on Nanotube and Liquidâ€Phase Exfoliated 2D Gallium Chalcogenide Nanosheet Colloidal Solutions. Small, 2017, 13, 1701677.	5.2	71
16	Surface coatings of silver nanowires lead to effective, high conductivity, high-strain, ultrathin sensors. Nanoscale, 2017, 9, 18507-18515.	2.8	48
17	Guidelines for Exfoliation, Characterization and Processing of Layered Materials Produced by Liquid Exfoliation. Chemistry of Materials, 2017, 29, 243-255.	3.2	401
18	Sensitive electromechanical sensors using viscoelastic graphene-polymer nanocomposites. Science, 2016, 354, 1257-1260.	6.0	676

#	Article	IF	Citations
19	High stiffness nano-composite fibres from polyvinylalcohol filled with graphene and boron nitride. Carbon, 2016, 99, 280-288.	5.4	40
20	Scalable production of large quantities of defect-free few-layer graphene by shear exfoliation in liquids. Nature Materials, 2014, 13, 624-630.	13.3	1,958
21	Sensitive, High-Strain, High-Rate Bodily Motion Sensors Based on Grapheneâ€“Rubber Composites. ACS Nano, 2014, 8, 8819-8830.	7.3	708
22	Transparent conducting films from NbSe₃nanowires. Nanotechnology, 2011, 22, 285202.	1.3	8