Philip T Dirlam

List of Publications by Citations

17 papers	1,512 citations	12 h-index	17 g-index
17 ext. papers	1,798 ext. citations	7.5 avg, IF	3.98 L-index

#	Paper	IF	Citations
17	The use of elemental sulfur as an alternative feedstock for polymeric materials. *Nature Chemistry*, **2013**, 5, 518-24	17.6	748
16	Inverse vulcanization of elemental sulfur with 1,4-diphenylbutadiyne for cathode materials in Li-S batteries. *RSC Advances*, **2015**, 5, 24718-24722	3.7	114
15	High Refractive Index Copolymers with Improved Thermomechanical Properties via the Inverse Vulcanization of Sulfur and 1,3,5-Triisopropenylbenzene. *ACS Macro Letters*, **2016**, 5, 1152-1156	6.6	107
14	Inverse vulcanization of elemental sulfur and styrene for polymeric cathodes in Li-S batteries. *Journal of Polymer Science Part A*, **2017**, 55, 107-116	2.5	101
13	The use of polymers in Li-S batteries: A review. *Journal of Polymer Science Part A*, **2017**, 55, 1635-1668	2.5	96
12	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. *ACS Applied Materials & Interfaces*, **2016**, 8, 13437-48	9.5	92
11	Directing the deposition of ferromagnetic cobalt onto Pt-tipped CdSe@CdS nanorods: synthetic and mechanistic insights. *ACS Nano*, **2012**, 6, 8632-45	16.7	57
10	Improving the Charge Conductance of Elemental Sulfur via Tandem Inverse Vulcanization and Electropolymerization. *ACS Macro Letters*, **2015**, 4, 111-114	6.6	54
9	Single chain polymer nanoparticles via sequential ATRP and oxidative polymerization. *Polymer Chemistry*, **2013**, 4, 3765	4.9	38
8	Colloidal polymers from dipolar assembly of cobalt-tipped CdSe@CdS nanorods. *ACS Nano*, **2014**, 8, 3272-84	14.7	32
7	Controlling surface energy and wetability with Diels-Alder chemistry. *Langmuir*, **2010**, 26, 3942-8	4	24
6	Polylactide Foams with Tunable Mechanical Properties and Wettability using a Star Polymer Architecture and a Mixture of Surfactants. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1698-1706	8.3	19
5	Synthesis of ferromagnetic cobalt nanoparticle tipped CdSe@CdS nanorods: critical role of Pt-activation. *CrystEngComm*, **2014**, 16, 9461-9468	3.3	12
4	Polymerizations with Elemental Sulfur: From Petroleum Refining to Polymeric Materials.. *Journal of the American Chemical Society*, **2021**,	16.4	12
3	Atom-Economical, One-Pot, Self-Initiated Photopolymerization of Lactose Methacrylate for Biobased Hydrogels. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 4606-4613	8.3	3
2	Surface Intiated Atom Transfer Radical Polymerizations from Indium Tin Oxide Electrodes: Electrochemistry of Polymer Brushes. *ACS Symposium Series*, **2012**, 197-209	0.4	2
1	Elemental sulfur-molybdenum disulfide composites for high-performance cathodes for Li-S batteries: the impact of interfacial structures on electrocatalytic anchoring of polysulfides. *MRS Communications*, **2021**, 11, 261-271	2.7	1