Shawn Alan Gregory

List of Publications by Year
in descending order

18	453	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Use of in situ electrical conductance measurements to understand the chemical mechanisms and chamber wall effects during vapor phase infiltration doping of poly(aniline) with TiCl4â€‰+â€‰H2O. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	1
2	Significant Enhancement of the Electrical Conductivity of Conjugated Polymers by Post-Processing Side Chain Removal. Journal of the American Chemical Society, 2022, 144, 1351-1360.	13.7	42
3	Iron(III) Dopant Counterions Affect the Charge-Transport Properties of Poly(Thiophene) and Poly(Dialkoxythiophene) Derivatives. ACS Applied Materials & Interfaces, 2022, 14, 29039-29051.	8.0	5
4	Thermoelectric and Charge Transport Properties of Solution-Processable and Chemically Doped Dioxythienothiophene Copolymers. ACS Applied Polymer Materials, 2021, 3, 2316-2324.	4.4	12
5	Quantifying charge carrier localization in chemically doped semiconducting polymers. Nature Materials, 2021, 20, 1414-1421.	27.5	61
6	Microstructure and heteroatom dictate the doping mechanism and thermoelectric properties of poly(alkyl-chalcogenophenes). Applied Physics Letters, 2021, 118, 233301.	3.3	18
7	Vapor Phase Infiltration Doping of the Semiconducting Polymer Poly(aniline) with TiCl₄ + H₂O: Mechanisms, Reaction Kinetics, and Electrical and Optical Properties. ACS Applied Polymer Materials, 2021, 3, 720-729.	4.4	16
8	Immobilization of molecular catalysts on solid supports via atomic layer deposition for chemical synthesis in sustainable solvents. Green Chemistry, 2021, 23, 9523-9533.	9.0	6
9	Pulsed heating atomic layer deposition (PH-ALD) for epitaxial growth of zinc oxide thin films on c-plane sapphire. Dalton Transactions, 2021, 51, 303-311.	3.3	2
10	Electron transport in a sequentially doped naphthalene diimide polymer. Materials Advances, 2020, 1, 1829-1834.	5.4	14
11	Effects of Solvent Molecular Structure on Diffusion through Plasticized Poly(vinyl chloride) Films. ACS Applied Polymer Materials, 2020, 2, 4697-4708.	4.4	3
12	Inducing planarity in redox-active conjugated polymers with solubilizing 3,6-dialkoxy-thieno[3,2-b]thiophenes (DOTTs) for redox and solid-state conductivity applications. Journal of Materials Chemistry C, 2020, 8, 7463-7475.	5.5	17
13	Single-Cycle Atomic Layer Deposition on Bulk Wood Lumber for Managing Moisture Content, Mold Growth, and Thermal Conductivity. Langmuir, 2020, 36, 1633-1641.	3.5	6
14	Understanding thermomechanical failure of athletic textiles via the pendulum skid method. Textile Reseach Journal, 2019, 89, 1825-1834.	2.2	0
15	Understanding the Effects of Molecular Dopant on nâ€Type Organic Thermoelectric Properties. Advanced Energy Materials, 2019, 9, 1900817.	19.5	118
16	Thermoelectrics that bend but donâ€™t break. Nature Materials, 2019, 18, 3-4.	27.5	2
17	Aqueous Zinc Compounds as Residual Antimicrobial Agents for Textiles. ACS Applied Materials & Interfaces, 2018, 10, 7709-7716.	8.0	31
18	Effect of Heteroatom and Doping on the Thermoelectric Properties of Poly(3â€alkylchalcogenophenes). Advanced Energy Materials, 2018, 8, 1802419.	19.5	99