

Darryl A Boyd

List of Publications by Year in descending order

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27
papers

933
citations

759233

12
h-index

642732

23
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27
all docs

27
docs citations

27
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur and Its Role In Modern Materials Science. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15486-15502.	13.8	332
2	Microfluidic Strategies for Design and Assembly of Microfibers and Nanofibers with Tissue Engineering and Regenerative Medicine Applications. <i>Advanced Healthcare Materials</i> , 2015, 4, 11-28.	7.6	137
3	Optical Properties of a Sulfur-Rich Organically Modified Chalcogenide Polymer Synthesized via Inverse Vulcanization and Containing an Organometallic Comonomer. <i>ACS Macro Letters</i> , 2019, 8, 113-116.	4.8	75
4	3D hydrodynamic focusing microfluidics for emerging sensing technologies. <i>Biosensors and Bioelectronics</i> , 2015, 67, 25-34.	10.1	57
5	Schwefel in der modernen Materialwissenschaft. <i>Angewandte Chemie</i> , 2016, 128, 15712-15729.	2.0	43
6	Design and fabrication of uniquely shaped thiol-ene microfibers using a two-stage hydrodynamic focusing design. <i>Lab on A Chip</i> , 2013, 13, 3105.	6.0	42
7	Hydrodynamic Shaping, Polymerization, and Subsequent Modification of Thiol Click Fibers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 114-119.	8.0	37
8	Diruthenium Compounds Bearing Equatorial Fc-containing Ligands: Synthesis and Electronic Structure. <i>Inorganic Chemistry</i> , 2010, 49, 11525-11531.	4.0	29
9	Facile Fabrication of Color Tunable Film and Fiber Nanocomposites via Thiol Click Chemistry. <i>Macromolecules</i> , 2014, 47, 695-704.	4.8	23
10	Fc-Fc Electronic Interaction through Equatorial Pathways of a Diruthenium Core. <i>Inorganic Chemistry</i> , 2010, 49, 1322-1324.	4.0	20
11	Modification of nanostructured fused silica for use as superhydrophobic, IR-transmissive, anti-reflective surfaces. <i>Optical Materials</i> , 2016, 54, 195-199.	3.6	18
12	Electron Transport through Early Exponential-Phase Anode-Grown <i>Geobacter sulfurreducens</i> Biofilms. <i>ChemElectroChem</i> , 2014, 1, 1957-1965.	3.4	17
13	New diruthenium complexes formed via modification with 1,1'-ferrocene dicarboxylic acid. <i>Inorganica Chimica Acta</i> , 2011, 370, 198-202.	2.4	14
14	Small-Molecule Detection in Thiol-ene Nanocomposites via Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2014, 86, 12315-12320.	6.5	13
15	Enhanced mid-wavelength infrared refractive index of organically modified chalcogenide (ORMOCHALC) polymer nanocomposites with thermomechanical stability. <i>Optical Materials</i> , 2020, 108, 110197.	3.6	12
16	Optical Properties of Photopolymerized Thiol-ene Polymers Fabricated Using Various Multivinyl Monomers. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8902-8906.	3.7	11
17	Periodically patterned germanium surfaces modified to form superhydrophobic, IR-transmissive substrates. <i>Optical Materials Express</i> , 2016, 6, 3254.	3.0	10
18	Fabrication of Photoluminescent Quantum Dot Thiol-ene Nanocomposites via Thermal Curing or Photopolymerization. <i>ACS Omega</i> , 2018, 3, 3314-3320.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Microfluidic Fabrication of Polymeric and Biohybrid Fibers with Predesigned Size and Shape. Journal of Visualized Experiments, 2014, , e50958.	0.3	8
20	Design of High Efficient Mid-Wavelength Infrared Polarizer on ORMOCALC Polymer. Macromolecular Materials and Engineering, 2020, 305, 2000033.	3.6	8
21	Safer and Greener Polymer Demonstrations for STEM Outreach. ACS Polymers Au, 2021, 1, 67-75.	4.1	6
22	Microfluidics: Microfluidic Strategies for Design and Assembly of Microfibers and Nanofibers with Tissue Engineering and Regenerative Medicine Applications (Adv. Healthcare Mater. 1/2015). Advanced Healthcare Materials, 2015, 4, 2-2.	7.6	5
23	Novel computational design of high refractive index nanocomposites and effective refractive index tuning based on nanoparticle morphology effect. Composites Part B: Engineering, 2021, 223, 109128.	12.0	4
24	Superhydrophobic, infrared transmissive moth eye-like substrates for use in wet conditions. , 2017, , .		1
25	Tunable mid-wavelength infrared (MWIR) polarizer by ORMOCALC composite with improved thermomechanical stability. , 2021, , .		1
26	Fabrication of high refractive index, infrared transmitting Organically Modified Chalcogenide (ORMOCALC) polymers (Rising Researcher Presentation). , 2019, , .		0
27	The Importance of Mentorship and Science Outreach to the Next Generation. ACS Symposium Series, 0, , 53-65.	0.5	0