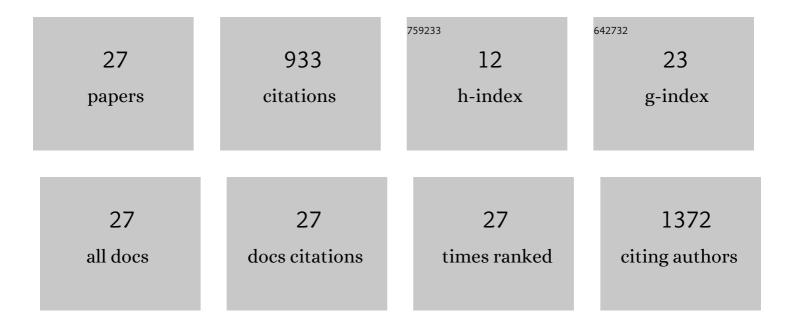
Darryl A Boyd

List of Publications by Year in descending order

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

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#	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 Midâ€Wavelength Infrared Polarizer on ORMOCHALC 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 ORMOCHALC composite with improved thermomechanical stability. , 2021, , .		1
26	Fabrication of high refractive index, infrared transmitting Organically Modified Chalcogenide (ORMOCHALC) 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