# Suzanne A Blum

## List of Publications by Year in Descending Order



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| 63 papers | 2,181 citations | 25 h-index | 45 g-index |
| 68 ext. papers | 2,425 ext. citations | 9.4 avg, IF | 5.52 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 63 | Does Selectivity of Molecular Catalysts Change with Time? Polymerization Imaged by Single-Molecule Spectroscopy. *Angewandte Chemie*, **2021**, 133, 1574-1579 | 3.6 | 1 |
| 62 | Does Selectivity of Molecular Catalysts Change with Time? Polymerization Imaged by Single-Molecule Spectroscopy. *Angewandte Chemie - International Edition*, **2021**, 60, 1550-1555 | 16.4 | 5 |
| 61 | Main-group metalated heterocycles through Lewis acid cyclization. *Trends in Chemistry*, **2021**, 3, 645-659 | 14.8 | 1 |
| 60 | Repurposing Electrophilic Cyclization/Dealkylation for Group Transfer. *Angewandte Chemie - International Edition*, **2021**, 60, 25776-25780 | 16.4 | 0 |
| 59 | Mechanism of an Elusive Solvent Effect in Organozinc Reagent Synthesis. *Chemistry - A European Journal*, **2020**, 26, 15094-15098 | 4.8 | 1 |
| 58 | Origins of Batch-to-Batch Variation: Organoindium Reagents from Indium Metal. *Organometallics*, **2020**, 39, 2575-2579 | 3.8 | 3 |
| 57 | Borylative Heterocyclization without Air-Free Techniques. *Journal of Organic Chemistry*, **2020**, 85, 10350-10368 | 4.2 | 9 |
| 56 | Microscopy Reveals: Impact of Lithium Salts on Elementary Steps Predicts Organozinc Reagent Synthesis and Structure. *Journal of the American Chemical Society*, **2019**, 141, 9879-9884 | 16.4 | 13 |
| 55 | Single-Polymer Particle Growth Kinetics with Molecular Catalyst Speciation and Single-Turnover Imaging. *ACS Catalysis*, **2019**, 9, 3375-3383 | 13.1 | 9 |
| 54 | Copper-Catalyzed Aminoboration from Hydrazones To Generate Borylated Pyrazoles. *Organic Letters*, **2019**, 21, 1283-1286 | 6.2 | 18 |
| 53 | Organic and Organometallic Chemistry at the Single-Molecule, -Particle, and -Molecular-Catalyst-Turnover Level by Fluorescence Microscopy. *Accounts of Chemical Research*, **2019**, 52, 2244-2255 | 24.3 | 17 |
| 52 | Evidence for Dynamic Chemical Kinetics at Individual Molecular Ruthenium Catalysts. *Angewandte Chemie*, **2018**, 130, 1588-1591 | 3.6 | 8 |
| 51 | An Oxyboration Route to a Single Regioisomer of Borylated Dihydrofurans and Isochromenes. *Journal of Organic Chemistry*, **2018**, 83, 11204-11217 | 4.2 | 14 |
| 50 | Evidence for Dynamic Chemical Kinetics at Individual Molecular Ruthenium Catalysts. *Angewandte Chemie - International Edition*, **2018**, 57, 1572-1575 | 16.4 | 21 |
| 49 | Kinetics of the Same Reaction Monitored over Nine Orders of Magnitude in Concentration: When Are Unique Subensemble and Single-Turnover Reactivity Displayed?. *Angewandte Chemie*, **2018**, 130, 12203-12208 | 3.6 | 3 |
| 48 | Transition-Metal-Free Synthesis of Borylated Thiophenes via Formal Thioboration. *Organic Letters*, **2018**, 20, 6673-6677 | 6.2 | 15 |
| 47 | Kinetics of the Same Reaction Monitored over Nine Orders of Magnitude in Concentration: When Are Unique Subensemble and Single-Turnover Reactivity Displayed?. *Angewandte Chemie - International Edition*, **2018**, 57, 12027-12032 | 16.4 | 16 |

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| 46 | Structure–Reactivity Studies, Characterization, and Transformation of Intermediates by Lithium Chloride in the Direct Insertion of Alkyl and Aryl Iodides to Metallic Zinc Powder. *Organometallics*, **2017**, 36, 2389-2396 | 3.8 | 18 |
| 45 | Structure–Reactivity Studies of Intermediates for Mechanistic Information by Subensemble Fluorescence Microscopy. *ACS Catalysis*, **2017**, 7, 3786-3791 | 13.1 | 8 |
| 44 | Single Turnover at Molecular Polymerization Catalysts Reveals Spatiotemporally Resolved Reactions. *Angewandte Chemie - International Edition*, **2017**, 56, 13772-13775 | 16.4 | 26 |
| 43 | Single Turnover at Molecular Polymerization Catalysts Reveals Spatiotemporally Resolved Reactions. *Angewandte Chemie*, **2017**, 129, 13960-13963 | 3.6 | 8 |
| 42 | Boron-Heteroatom Addition Reactions via Borylative Heterocyclization: Oxyboration, Aminoboration, and Thioboration. *Accounts of Chemical Research*, **2017**, 50, 2598-2609 | 24.3 | 46 |
| 41 | Mechanistic Studies of Formal Thioboration Reactions of Alkynes. *Journal of Organic Chemistry*, **2017**, 82, 8165-8178 | 4.2 | 22 |
| 40 | Role of LiCl in Generating Soluble Organozinc Reagents. *Journal of the American Chemical Society*, **2016**, 138, 11156-9 | 16.4 | 55 |
| 39 | Catalyst-Free Formal Thioboration to Synthesize Borylated Benzothiophenes and Dihydrothiophenes. *Angewandte Chemie*, **2016**, 128, 14498-14502 | 3.6 | 11 |
| 38 | Oxyboration with and without a Catalyst: Borylated Isoxazoles via B-O Bond Addition. *Organic Letters*, **2016**, 18, 480-3 | 6.2 | 48 |
| 37 | Kinetic Study of Carbophilic Lewis Acid Catalyzed Oxyboration and the Noninnocent Role of Sodium Chloride. *Organometallics*, **2016**, 35, 655-662 | 3.8 | 12 |
| 36 | Catalyst-Free Synthesis of Borylated Lactones from Esters via Electrophilic Oxyboration. *Journal of the American Chemical Society*, **2016**, 138, 2126-9 | 16.4 | 87 |
| 35 | Oxyboration: Synthesis of Borylated Benzofurans. *Organic Syntheses*, **2016**, 93, 228-244 | 1.2 | 6 |
| 34 | Catalyst-Free Formal Thioboration to Synthesize Borylated Benzothiophenes and Dihydrothiophenes. *Angewandte Chemie - International Edition*, **2016**, 55, 14286-14290 | 16.4 | 54 |
| 33 | Catalyst Inefficiencies: Supported Ring-Opening Metathesis Polymerization Catalyst Yields Its Ensemble Rate from a Small Number of Molecular Active Sites. *ACS Catalysis*, **2015**, 5, 2290-2295 | 13.1 | 23 |
| 32 | Aminoboration: Addition of B-N Bonds across C-C Bonds. *Journal of the American Chemical Society*, **2015**, 137, 10144-7 | 16.4 | 77 |
| 31 | NMR spectroscopy studies of electronic effects and equilibrium in the organogold-to-boron transmetalation reaction and studies towards its application to the alkoxyboration addition of boron-oxygen bonds to alkynes. *Tetrahedron*, **2015**, 71, 4445-4449 | 2.4 | 15 |
| 30 | Mechanistic Studies of Gold and Palladium Cooperative Dual-Catalytic Cross-Coupling Systems. *ACS Catalysis*, **2014**, 4, 622-629 | 13.1 | 44 |
| 29 | GOLD-CATALYZED CROSS-COUPLING REACTIONS. *Catalytic Science Series*, **2014**, 393-412 | 0.4 | 1 |

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| 28 | Selectivity, Compatibility, Downstream Functionalization, and Silver Effect in the Gold and Palladium Dual-Catalytic Synthesis of Lactones. *Organometallics*, **2014**, 33, 5448-5456 | 3.8 | 42 |
| 27 | Alkoxyboration: ring-closing addition of B-O bonds across alkynes. *Journal of the American Chemical Society*, **2014**, 136, 4740-5 | 16.4 | 87 |
| 26 | BODIPY Fluorophore Toolkit for Probing Chemical Reactivity and for Tagging Reactive Functional Groups. *European Journal of Organic Chemistry*, **2014**, 2014, 3347-3354 | 3.2 | 14 |
| 25 | Phase separation polymerization of dicyclopentadiene characterized by in operando fluorescence microscopy. *Journal of the American Chemical Society*, **2013**, 135, 12324-8 | 16.4 | 34 |
| 24 | Small Number of Active Sites and Single-Locus Kinetics Revealed in (salph)Co-Catalyzed Ethylene Oxide Polymerization. *ACS Catalysis*, **2013**, 3, 2150-2153 | 13.1 | 10 |
| 23 | Opportunities and challenges in single-molecule and single-particle fluorescence microscopy for mechanistic studies of chemical reactions. *Nature Chemistry*, **2013**, 5, 993-9 | 17.6 | 117 |
| 22 | Synthesis of Alkenylgold(I) Compounds via Sequential Hydrozirconation and Zirconium to Gold Transmetalation. *Organometallics*, **2012**, 31, 5990-5993 | 3.8 | 19 |
| 21 | Mechanistic Studies of Azaphilic versus Carbophilic Activation by Gold(I) in the Gold/Palladium Dual-Catalyzed Rearrangement of Alkenyl Vinyl Aziridines. *Organometallics*, **2012**, 31, 6843-6850 | 3.8 | 63 |
| 20 | Organogold reactivity with palladium, nickel, and rhodium: transmetalation, cross-coupling, and dual catalysis. *Accounts of Chemical Research*, **2011**, 44, 603-13 | 24.3 | 175 |
| 19 | Nickel-Catalyzed Cross-Coupling of Organogold Reagents. *Organometallics*, **2011**, 30, 1299-1302 | 3.8 | 40 |
| 18 | Homogeneous vs heterogeneous polymerization catalysis revealed by single-particle fluorescence microscopy. *Journal of the American Chemical Society*, **2011**, 133, 18145-7 | 16.4 | 46 |
| 17 | Real-Time Imaging of Platinum–Sulfur Ligand Exchange Reactions at the Single-Molecule Level via a General Chemical Technique. *Organometallics*, **2011**, 30, 2901-2907 | 3.8 | 26 |
| 16 | Deconvoluting subensemble chemical reaction kinetics of platinum-sulfur ligand exchange detected with single-molecule fluorescence microscopy. *Inorganic Chemistry*, **2011**, 50, 9201-3 | 5.1 | 19 |
| 15 | Gold and Rhodium Transmetalation: Mechanistic Insights and Dual-Metal Reactivity. *Organometallics*, **2011**, 30, 1776-1779 | 3.8 | 42 |
| 14 | Direct Observation of Gold/Palladium Transmetalation in an Organogold Heck Reaction. *Organometallics*, **2011**, 30, 4811-4813 | 3.8 | 25 |
| 13 | Single-molecule imaging of platinum ligand exchange reaction reveals reactivity distribution. *Journal of the American Chemical Society*, **2010**, 132, 15167-9 | 16.4 | 38 |
| 12 | Relative Kinetic Basicities of Organogold Compounds. *Organometallics*, **2010**, 29, 1712-1716 | 3.8 | 84 |
| 11 | Palladium-Catalyzed Carboauration of Alkynes and Palladium/Gold Cross-Coupling. *Organometallics* , **2009**, 28, 1275-1277 | 3.8 | 129 |

# List of Publications

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|---|---|---|---|
| 10 | Catalyzed catalysis using carbophilic Lewis acidic gold and Lewis basic palladium: synthesis of substituted butenolides and isocoumarins. *Journal of the American Chemical Society*, **2009**, 131, 18022-3 | 16.4 | 206 |
| 9 | A General Fluorescence Resonance Energy Transfer (FRET) Method for Observation and Quantification of Organometallic Complexes under Reaction Conditions. *Organometallics*, **2009**, 28, 4643-4645 | 3.8 | 20 |
| 8 | Toward the Single-Molecule Investigation of Organometallic Reaction Mechanisms: Single-Molecule Imaging of Fluorophore-Tagged Palladium(II) Complexes. *Organometallics*, **2008**, 27, 2172-2175 | 3.8 | 33 |
| 7 | Synthetic and Mechanistic Studies of Strained Heterocycle Opening Reactions Mediated by Zirconium(IV) Imido Complexes. *Organometallics*, **2005**, 24, 1647-1659 | 3.8 | 22 |
| 6 | Nitro and Nitroso Metathesis Reactions with Monomeric Zirconium Imido Complexes. *Organometallics*, **2004**, 23, 4003-4005 | 3.8 | 20 |
| 5 | Epoxide-opening and group-transfer reactions mediated by monomeric zirconium imido complexes. *Journal of the American Chemical Society*, **2003**, 125, 14276-7 | 16.4 | 32 |
| 4 | Enantioselective oxidation of di-tert-butyl disulfide with a vanadium catalyst: progress toward mechanism elucidation. *Journal of Organic Chemistry*, **2003**, 68, 150-5 | 4.2 | 94 |
| 3 | Application of physical organic methods to the investigation of organometallic reaction mechanisms. *Journal of Organic Chemistry*, **2003**, 68, 4127-37 | 4.2 | 18 |
| 2 | Repurposing Electrophilic Cyclization/Dealkylation for Group Transfer. *Angewandte Chemie*, | 3.6 | |
| 1 | Oxyboration: Synthesis of Borylated Benzofurans228-244 | | 2 |