# Christo S Sevov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4973805/publications.pdf

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|---|---|---|---|
| 18<br>papers | 1,391<br>citations | 471509<br>17<br>h-index | 888059<br>17<br>g-index |
| 18<br>all docs | 18<br>docs citations | 18<br>times ranked | 1025<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synergistic Catalystâ€"Mediator Pairings for Electroreductive Cross-Electrophile Coupling Reactions. ACS Catalysis, 2022, 12, 1161-1166. | 11.2 | 24 |
| 2 | Catalyst-controlled functionalization of carboxylic acids by electrooxidation of self-assembled carboxyl monolayers. Nature Communications, 2022, 13, 1319. | 12.8 | 19 |
| 3 | Controlling Ni redox states by dynamic ligand exchange for electroreductive Csp3â€"Csp2 coupling. Science, 2022, 376, 410-416. | 12.6 | 74 |
| 4 | Mediator-Enabled Electrocatalysis with Ligandless Copper for Anaerobic Chanâ€"Lam Coupling Reactions. Journal of the American Chemical Society, 2021, 143, 6257-6265. | 13.7 | 44 |
| 5 | General C(sp<sup>2</sup>)â€"C(sp<sup>3</sup>) Cross-Electrophile Coupling Reactions Enabled by Overcharge Protection of Homogeneous Electrocatalysts. Journal of the American Chemical Society, 2020, 142, 5884-5893. | 13.7 | 103 |
| 6 | Direct and Scalable Electroreduction of Triphenylphosphine Oxide to Triphenylphosphine. Journal of the American Chemical Society, 2020, 142, 3024-3031. | 13.7 | 72 |
| 7 | An Electrochemically Promoted, Nickel-Catalyzed Mizorokiâ€"Heck Reaction. ACS Catalysis, 2019, 9, 7197-7203. | 11.2 | 45 |
| 8 | Effect of the Backbone Tether on the Electrochemical Properties of Soluble Cyclopropenium Redox-Active Polymers. Macromolecules, 2018, 51, 3539-3546. | 4.8 | 43 |
| 9 | High-Performance Oligomeric Catholytes for Effective Macromolecular Separation in Nonaqueous Redox Flow Batteries. ACS Central Science, 2018, 4, 189-196. | 11.3 | 134 |
| 10 | Macromolecular Design Strategies for Preventing Activeâ€Material Crossover in Nonâ€Aqueous Allâ€Organic Redoxâ€Flow Batteries. Angewandte Chemie - International Edition, 2017, 56, 1595-1599. | 13.8 | 116 |
| 11 | Physical Organic Approach to Persistent, Cyclable, Low-Potential Electrolytes for Flow Battery Applications. Journal of the American Chemical Society, 2017, 139, 2924-2927. | 13.7 | 165 |
| 12 | Macromolecular Design Strategies for Preventing Activeâ€Material Crossover in Nonâ€Aqueous Allâ€Organic Redoxâ€Flow Batteries. Angewandte Chemie, 2017, 129, 1617-1621. | 2.0 | 25 |
| 13 | Low-Potential Pyridinium Anolyte for Aqueous Redox Flow Batteries. Journal of Physical Chemistry C, 2017, 121, 24376-24380. | 3.1 | 44 |
| 14 | Multielectron Cycling of a Low-Potential Anolyte in Alkali Metal Electrolytes for Nonaqueous Redox Flow Batteries. ACS Energy Letters, 2017, 2, 2430-2435. | 17.4 | 72 |
| 15 | Cyclopropenium Salts as Cyclable, Highâ€Potential Catholytes in Nonaqueous Media. Advanced Energy Materials, 2017, 7, 1602027. | 19.5 | 94 |
| 16 | Mechanism-Based Development of a Low-Potential, Soluble, and Cyclable Multielectron Anolyte for Nonaqueous Redox Flow Batteries. Journal of the American Chemical Society, 2016, 138, 15378-15384. | 13.7 | 99 |
| 17 | Evolutionary Design of Low Molecular Weight Organic Anolyte Materials for Applications in Nonaqueous Redox Flow Batteries. Journal of the American Chemical Society, 2015, 137, 14465-14472. | 13.7 | 191 |
| 18 | All-Organic Storage Solids and Redox Shuttles for Redox-Targeting Flow Batteries. ACS Energy Letters, 0, , 1271-1279. | 17.4 | 27 |