

# Yusen Qiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1271070/publications.pdf>

Version: 2024-02-01

22  
papers

859  
citations

567281

15  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

957  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Lanthanide Photocatalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 2926-2936.  | 15.6 | 172       |
| 2  | Photocatalytic C-H activation and the subtle role of chlorine radical complexation in reactivity. <i>Science</i> , 2021, 372, 847-852.  | 12.6 | 144       |
| 3  | Photoinduced Miyaura Borylation by a Rare-Earth-Metal Photoreductant: The Hexachloroцерate(III) Anion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10999-11003.            | 13.8 | 91        |
| 4  | Understanding and Controlling the Emission Brightness and Color of Molecular Cerium Luminophores. <i>Journal of the American Chemical Society</i> , 2018, 140, 4588-4595.                   | 13.7 | 60        |
| 5  | Electrokinetic Separation of Rare Earth Elements Using a Redox-Active Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13450-13454.                                     | 13.8 | 50        |
| 6  | Uranyl Functionalization Mediated by Redox-Active Ligands: Generation of O-C Bonds via Acylation. <i>Journal of the American Chemical Society</i> , 2019, 141, 1016-1026.                   | 13.7 | 42        |
| 7  | Synthesis and Characterization of Tris-chelate Complexes for Understanding $f$ -Orbital Bonding in Later Actinides. <i>Journal of the American Chemical Society</i> , 2019, 141, 2356-2366. | 13.7 | 41        |
| 8  | A strategy to improve the performance of cerium(III) photocatalysts. <i>Chemical Communications</i> , 2019, 55, 4067-4070.  | 4.1  | 38        |
| 9  | Solution and Solid State Structural Chemistry of Th(IV) and U(IV) 4-Hydroxybenzoates. <i>Inorganic Chemistry</i> , 2018, 57, 7259-7269.   | 4.0  | 30        |
| 10 | The role of dynamic ligand exchange in the oxidation chemistry of cerium(III). <i>Chemical Science</i> , 2016, 7, 4537-4547.  | 7.4  | 25        |
| 11 | Structural properties of ultra-small thorium and uranium dioxide nanoparticles embedded in a covalent organic framework. <i>Chemical Science</i> , 2020, 11, 4648-4668.                     | 7.4  | 22        |
| 12 | Photoinduced Miyaura Borylation by a Rare-Earth-Metal Photoreductant: The Hexachloroцерate(III) Anion. <i>Angewandte Chemie</i> , 2018, 130, 11165-11169.                                   | 2.0  | 21        |
| 13 | Redox-enhanced hemilability of a tris( <i>tert</i> -butoxy)siloxy ligand at cerium. <i>Dalton Transactions</i> , 2018, 47, 10113-10123.   | 3.3  | 19        |
| 14 | Using Redox-Active Ligands to Generate Actinide Ligand Radical Species. <i>Inorganic Chemistry</i> , 2021, 60, 15242-15252.   | 4.0  | 19        |
| 15 | Electrokinetic Separation of Rare Earth Elements Using a Redox-Active Ligand. <i>Angewandte Chemie</i> , 2017, 129, 13635-13639.  | 2.0  | 16        |
| 16 | Structure, Electronics and Reactivity of Ce(PNP) Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 17923-17934.  | 3.3  | 13        |
| 17 | Shortwave infrared fluorescence <i>in vivo</i> imaging of nerves for minimizing the risk of intraoperative nerve injury. <i>Nanoscale</i> , 2019, 11, 19736-19741.                          | 5.6  | 13        |
| 18 | Electronic structure studies reveal 4f/5d mixing and its effect on bonding characteristics in Ce-imido and -oxo complexes. <i>Chemical Science</i> , 2022, 13, 1759-1773.                   | 7.4  | 12        |

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|----|--|-----|-----------|
| 19 | Cerium(iv) complexes with guanidinate ligands: intense colors and anomalous electronic structures. <i>Chemical Science</i> , 2021, 12, 3558-3567.  | 7.4 | 10        |
| 20 | Involvement of 5f Orbitals in the Covalent Bonding between the Uranyl Ion and Trialkyl Phosphine Oxide: Unraveled by Oxygen K-Edge X-ray Absorption Spectroscopy and Density Functional Theory. <i>Inorganic Chemistry</i> , 2022, 61, 92-104. | 4.0 | 9         |
| 21 | Amidinate Supporting Ligands Influence Molecularity in Formation of Uranium Nitrides. <i>Inorganic Chemistry</i> , 2021, 60, 6672-6679.  | 4.0 | 8         |
| 22 | A hydrolytically stable Ce(iv) complex of glutarimide-dioxime. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 934-939.  | 6.0 | 4         |