

# Yusen Qiao

## List of Publications by Year in descending order

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papers

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citations

567281

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A hydrolytically stable Ce(IV) complex of glutarimide-dioxime. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 934-939.	6.0	4
4	Cerium(IV) complexes with guanidinate ligands: intense colors and anomalous electronic structures. <i>Chemical Science</i> , 2021, 12, 3558-3567.	7.4	10
5	Amidinate Supporting Ligands Influence Molecularity in Formation of Uranium Nitrides. <i>Inorganic Chemistry</i> , 2021, 60, 6672-6679.	4.0	8
6	Photocatalytic C-H activation and the subtle role of chlorine radical complexation in reactivity. <i>Science</i> , 2021, 372, 847-852.	12.6	144
7	Using Redox-Active Ligands to Generate Actinide Ligand Radical Species. <i>Inorganic Chemistry</i> , 2021, 60, 15242-15252.	4.0	19
8	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
9	A strategy to improve the performance of cerium(IV) photocatalysts. <i>Chemical Communications</i> , 2019, 55, 4067-4070.	4.1	38
10	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
11	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
12	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
13	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
14	Lanthanide Photocatalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 2926-2936.	15.6	172
15	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
16	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
17	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
18	Photoinduced Miyaura Borylation by a Rare-Earth Metal Photoreductant: The Hexachloroцерate(III) Anion. <i>Angewandte Chemie</i> , 2018, 130, 11165-11169.	2.0	21

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19	Electrokinetic Separation of Rare Earth Elements Using a Redox-Active Ligand. <i>Angewandte Chemie</i> , 2017, 129, 13635-13639.	2.0	16
20	Electrokinetic Separation of Rare Earth Elements Using a Redox-Active Ligand. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13450-13454.	13.8	50
21	Structure, Electronics and Reactivity of Ce(PNP) Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 17923-17934.	3.3	13
22	The role of dynamic ligand exchange in the oxidation chemistry of cerium(III). <i>Chemical Science</i> , 2016, 7, 4537-4547.	7.4	25