Desmond E Schipper

List of Publications by Year
in descending order

45 papers	1,107 citations	516710 16 h-index	395702 33 g-index
45 all docs	45 docs citations	45 times ranked	1591 citing authors

#	Article	IF	Citations
1	Anion-Dependent Self-Assembly of Near-Infrared Luminescent 24- and 32-Metal Cdâ€“Ln Complexes with Drum-like Architectures. Journal of the American Chemical Society, 2013, 135, 8468-8471.	13.7	134
2	Effects of Catalyst Phase on the Hydrogen Evolution Reaction of Water Splitting: Preparation of Phase-Pure Films of FeP, Fe₂P, and Fe₃P and Their Relative Catalytic Activities. Chemistry of Materials, 2018, 30, 3588-3598.	6.7	123
3	Bifunctional metal phosphide FeMnP films from single source metal organic chemical vapor deposition for efficient overall water splitting. Nano Energy, 2017, 39, 444-453.	16.0	117
4	Asphalt-Derived High Surface Area Activated Porous Carbons for Carbon Dioxide Capture. ACS Applied Materials & Interfaces, 2015, 7, 1376-1382.	8.0	108
5	A TiO₂/FeMnP Core/Shell Nanorod Array Photoanode for Efficient Photoelectrochemical Oxygen Evolution. ACS Nano, 2017, 11, 4051-4059.	14.6	106
6	Anion-dependent construction of two hexanuclear 3dâ€“4f complexes with a flexible Schiff base ligand. Dalton Transactions, 2012, 41, 11449.	3.3	64
7	Large Ln₄₂ coordination nanorings: NIR luminescence sensing of metal ions and nitro explosives. Chemical Communications, 2019, 55, 13116-13119.	4.1	44
8	Self-assembly of NIR luminescent 30-metal drum-like and 12-metal rectangular dâ€“f nanoclusters with long-chain Schiff base ligands. Chemical Communications, 2014, 50, 15569-15572.	4.1	34
9	Anion dependent self-assembly of luminescent Znâ€“Ln (Eu and Tb) salen complexes. Polyhedron, 2013, 52, 165-169.	2.2	28
10	A self-assembling luminescent lanthanide molecular nanoparticle with potential for liveÂcell imaging. Chemical Science, 2018, 9, 4630-4637.	7.4	26
11	Anion dependent self-assembly of 56-metal Cdâ€“Ln nanoclusters with enhanced near-infrared luminescence properties. Nanoscale, 2014, 6, 10569-10573.	5.6	24
12	Self-assembly of luminescent 42-metal lanthanide nanowheels with sensing properties towards metal ions and nitro explosives. Journal of Materials Chemistry C, 2019, 7, 13425-13431.	5.5	23
13	Transformations in Transition-Metal Carbonyls Containing Arsenic: Exploring the Chemistry of [Et₄N]₂[HAs{Fe(CO)₄}₃] in the Search for Single-Source Precursors for Advanced Metal Pnictide Materials. Organometallics, 2016, 35, 471-483.	2.3	20
14	NIR luminescence for the detection of metal ions and nitro explosives based on a grape-like nine-nuclear Nd(<scp>iii</scp>) nanocluster. Inorganic Chemistry Frontiers, 2019, 6, 550-555.	6.0	20
15	Construction of a Large High-Nuclearity Cdâ€“Sm Schiff Base Cluster with Nanoscale Inner Cavity as Luminescent Probe for Metal Cations. Crystal Growth and Design, 2019, 19, 2149-2154.	3.0	20
16	Construction of Zn(II)/Cd(II)â€“Yb(III) Schiff Base Complexes for the NIR Luminescent Sensing of Fluoroquinolone Antibiotics. Inorganic Chemistry, 2021, 60, 5764-5770.	4.0	17
17	Anionic Bismuth-Oxido Carboxylate Clusters with Transition Metal Countercations. Inorganic Chemistry, 2016, 55, 11560-11569.	4.0	16
18	Self-assembly of high-nuclearity lanthanide-based nanoclusters for potential bioimaging applications. Nanoscale, 2016, 8, 11123-11129.	5.6	14

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19	Anionic Bismuth Oxido Clusters with Pendant Silver Cations: Synthesis and Structures of {[Bi₄(Âµ₃â€O)₂(TFA)₉Ag(tol)₂]₂} and {Bi₄(Âµ₃â€O)₂(TFA)₁₀(AgPPh₃)₂}<i>_n</i> European Journal of Inorganic Chemistry, 2017, 2017, 1457-1463.	2.0	13
20	A self-assembling lanthanide molecular nanoparticle for optical imaging. Dalton Transactions, 2015, 44, 2667-2675.	3.3	12
21	Construction of a 18-Metal Neodymium(III) Nanoring with NIR Luminescent Sensing to Antibiotics. Inorganic Chemistry, 2020, 59, 17608-17613.	4.0	12
22	Construction of a luminescent square-like Cd₆Eu₂ nanocluster for the quantitative detection of 2,6-dipicolinic acid as an anthrax biomarker. Journal of Materials Chemistry C, 2022, 10, 3510-3516.	5.5	11
23	Thin Films of (Fe_{1â€“<i>x</i>}Co_{<i>x</i>})₃P and Fe₃(P_{1â€“<i>x</i>}Te_{<i>x</i>}) from the Co-Decomposition of Organometallic Precursors by MOCVD. Chemistry of Materials, 2016, 28, 7066-7071.	6.7	10
24	One High-Nuclearity Cd(II)â€“Yb(III) Nanoring with Near-IR Luminescent Sensing to Antibiotics. Inorganic Chemistry, 2020, 59, 16809-16813.	4.0	10
25	Rapid and Reliable Excitation Wavelength-Dependent Detection of 2,6-Dipicolinic Acid Based on a Luminescent Cd(II)â€“Tb(III) Nanocluster. Inorganic Chemistry, 2022, 61, 8484-8489.	4.0	10
26	Synthesis of Hexagonal FeMnP Thin Films from a Singleâ€Source Molecular Precursor. Chemistry - A European Journal, 2017, 23, 5565-5572.	3.3	9
27	Self-assembly of luminescent Znâ€“Ln (Ln = Sm and Nd) nanoclusters with a long-chain Schiff base ligand. New Journal of Chemistry, 2018, 42, 7241-7246.	2.8	9
28	High-Nuclearity Cd(II)â€“Nd(III) Nanowheel with NIR Emission Sensing of Metal Cations and Nitro-Based Explosives. Crystal Growth and Design, 2021, 21, 2821-2827.	3.0	9
29	Construction of Chiral â€œTriple-Deckerâ€• Nd(III) Nanocluster with High NIR Luminescence Sensitivity toward Co(II). Inorganic Chemistry, 2020, 59, 8652-8656.	4.0	8
30	Gold coated iron phosphide coreâ€“shell structures. RSC Advances, 2017, 7, 25848-25854.	3.6	7
31	Regulatable Detection of Antibiotics Based on a Near-IR-Luminescent Tubelike Zn(II)â€“Yb(III) Nanocluster. Inorganic Chemistry, 2022, 61, 1011-1017.	4.0	6
32	Lanthanide nano-drums: a new class of molecular nanoparticles for potential biomedical applications. Faraday Discussions, 2014, 175, 241-255.	3.2	5
33	Ratiometric fluorescent detection of dipicolinic acid as an anthrax biomarker based on a high-nuclearity Yb₁₈ nanoring. Dalton Transactions, 2021, 50, 13528-13532.	3.3	5
34	Triangular Cd(II)â€“Sm(III) Schiff Base Complex with Dual Visible and Near-Infrared Luminescent Responses to Nitro Explosives. Journal of Physical Chemistry A, 2021, 125, 251-257.	2.5	5
35	In pursuit of advanced materials from single-source precursors based on metal carbonyls. Dalton Transactions, 2019, 48, 2248-2262.	3.3	4
36	Construction of an Octanuclear Zn(II)â€Yb(III) Schiff Base Complex for the NIR Luminescent Sensing of Nitrofuran Antibiotics. Chinese Journal of Chemistry, 2021, 39, 2083-2087.	4.9	4

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37	New Main-Group-Element-Rich <i>nido</i>-Octahedral Cluster System: Synthesis and Characterization of [Et₄N][Fe₂(CO)₆(Î¼₃-As){Î¼₃-EFe(CO)₄}<sub>2</su Inorganic Chemistry, 2016, 55, 6679-6684.	4.0	3
38	Construction of a 1-D Sm(<scp>iii</scp>) coordination polymer with a long-chain Schiff base ligand: dual-emissive response to metal ions. Inorganic Chemistry Frontiers, 2020, 7, 464-469.	6.0	3
39	Structural manifestations and biological screening for newly synthesized heteroleptic bismuth(V) bis-carboxylates. Journal of Coordination Chemistry, 2021, 74, 3002-3017.	2.2	3
40	Iron carbonyl clusters with ECl2 units (EÂ=ÂP, As). Journal of Organometallic Chemistry, 2017, 849-850, 279-285.	1.8	2
41	Luminescent Polynuclear Zn- and Cd-Ln Square-Like Nanoclusters With a Flexible Long-Chain Schiff Base Ligand. Frontiers in Chemistry, 2018, 6, 321.	3.6	2
42	One Nanoscale Zn(II)-Nd(III) Complex With Schiff Base Ligand: NIR Luminescent Sensing of Anions and Nitro Explosives. Frontiers in Chemistry, 2020, 8, 536907.	3.6	2
43	Construction of a high-nuclearity Nd(<scp>iii</scp>) nanoring for the NIR luminescent detection of antibiotics. Dalton Transactions, 2021, 50, 5865-5870.	3.3	2
44	Construction of a nanoscale Yb(III) Schiff base complex with NIR luminescence response to anions and nitro explosives. Journal of Luminescence, 2021, 231, 117807.	3.1	2
45	Visible luminescent Ln₄₂ nanotorus coordination clusters. Journal of Coordination Chemistry, 2021, 74, 92-101.	2.2	1