Frank E Osterloh

List of Publications by Year
in descending order

132 papers	11,755 citations	44069 48 h-index	26613 107 g-index
144 all docs	144 docs citations	144 times ranked	14375 citing authors

#	Article	IF	Citations
1	The Deep Eutectic Solvent Precipitation Synthesis of Metastable Zn₄V₂O₉. Inorganic Chemistry, 2022, 61, 154-169.	4.0	9
2	Synthesis of SrTiO₃ and Al-doped SrTiO₃<i>via</i> the deep eutectic solvent route. Materials Advances, 2022, 3, 4736-4747.	5.4	9
3	(Invited) Surface Photovoltage Spectroscopy on BiVO₄, Gallium Phosphide, and CuGa₃Se₅ Photoelectrodes in Contact with Aqueous Electrolytes. ECS Meeting Abstracts, 2022, MA2022-01, 1575-1575.	0.0	0
4	Local Structural Disorder in Metavanadates MV₂O₆ (M = Zn and Cu) Synthesized by the Deep Eutectic Solvent Route: Photoactive Oxides with Oxygen Vacancies. Chemistry of Materials, 2021, 33, 1667-1682.	6.7	21
5	(Invited) Surface Photovoltage Spectroscopy Observes Junctions and Carrier Separation in Gallium Nitride Nanowire Arrays for Overall Water-Splitting. ECS Meeting Abstracts, 2021, MA2021-01, 707-707.	0.0	0
6	Photochemical Charge Separation and Dye Self-Oxidation Control Performance of Fluorescein, Rose Bengal, and Triphenylamine Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2020, 124, 26174-26183.	3.1	4
7	Hydrogen evolution with fluorescein-sensitized Pt/SrTiO3 nanocrystal photocatalysts is limited by dye adsorption and regeneration. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112705.	3.9	14
8	Fermi Level Pinning Controls Band Bending and Photochemical Charge Separation in Particles of n-SrTiO3, n-SrTiO3:Al, and n-GaAs:Te. Journal of Physical Chemistry C, 2020, 124, 18426-18435.	3.1	10
9	Surface photovoltage spectroscopy observes junctions and carrier separation in gallium nitride nanowire arrays for overall water-splitting. Journal of Chemical Physics, 2020, 153, 144707.	3.0	11
10	Ferroelectric surface photovoltage enhancement in chromium-doped SrTiO₃ nanocrystal photocatalysts for hydrogen evolution. Materials Advances, 2020, 1, 1382-1389.	5.4	6
11	Bandgap-adjustment and enhanced surface photovoltage in Y-substituted LaTa^{IV}O₂N. Journal of Materials Chemistry A, 2020, 8, 11837-11848.	10.3	12
12	Band Gap Adjustment in Perovskite-type Eu_{1âˆ'<i>x</i>}Ca_{ <i>x</i> }TiO₃ via Ammonolysis. Zeitschrift Fur Physikalische Chemie, 2020, 234, 887-909.	2.8	8
13	Light Intensity Dependence of Photochemical Charge Separation in the BiVO₄/Ru-SrTiO₃:Rh Direct Contact Tandem Photocatalyst for Overall Water Splitting. Journal of Physical Chemistry C, 2020, 124, 9724-9733.	3.1	22
14	(Invited) Ferroelectric Photovoltage Enhancement in Chromium-Doped SrTiO3 nanocrystal Photocatalysts for Hydrogen Evolution. ECS Meeting Abstracts, 2020, MA2020-01, 1723-1723.	0.0	0
15	(Invited) Fermi Level Pinning Controls Photochemical Charge Separation in Particles of n-SrTiO₃, n-SrTiO₃:Al, and p-GaAs:Te. ECS Meeting Abstracts, 2020, MA2020-02, 3087-3087.	0.0	0
16	Depletion layer controls photocatalytic hydrogen evolution with p-type gallium phosphide particles. Journal of Materials Chemistry A, 2019, 7, 18020-18029.	10.3	13
17	Surface Photovoltage Spectroscopy Observes Sub-Band-Gap Defects in Hydrothermally Synthesized SrTiO₃ Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 25081-25090.	3.1	18
18	Impact of Nb(V) Substitution on the Structure and Optical and Photoelectrochemical Properties of the Cu5(Ta1â€"xNbx)11O30 Solid Solution. Inorganic Chemistry, 2019, 58, 6845-6857.	4.0	10

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19	Deep eutectic solvent route synthesis of zinc and copper vanadate n-type semiconductors â€“ mapping oxygen vacancies and their effect on photovoltage. Journal of Materials Chemistry A, 2019, 7, 12303-12316.	10.3	43
20	Electronic structure basis for enhanced overall water splitting photocatalysis with aluminum doped SrTiO₃ in natural sunlight. Energy and Environmental Science, 2019, 12, 1385-1395.	30.8	134
21	Role of Surface States in Photocatalytic Oxygen Evolution with CuWO₄ Particles. Journal of the Electrochemical Society, 2019, 166, H3014-H3019.	2.9	20
22	Decoupling Effects of Surface Recombination and Barrier Height on p-Si(111) Photovoltage in Semiconductor|Liquid Junctions via Molecular Dipoles and Metal Oxides. ACS Applied Energy Materials, 2019, 2, 66-79.	5.1	11
23	(Invited) Using Surface Photovoltage Spectroscopy to Observe Photovoltage Generation at the Interfaces of Cu2o, BiVO4, and Rh:SrTiO3 Particles. ECS Meeting Abstracts, 2019, , .	0.0	0
24	(Invited) Role of Surface States in Photocatalytic Oxygen Evolution with CuWO4 Particles. ECS Meeting Abstracts, 2019, , .	0.0	0
25	Use of surface photovoltage spectroscopy to probe energy levels and charge carrier dynamics in transition metal (Ni, Cu, Fe, Mn, Rh) doped SrTiO₃ photocatalysts for H₂ evolution from water. Journal of Materials Chemistry A, 2018, 6, 5774-5781.	10.3	66
26	Surface Photovoltage Measurements on a Particle Tandem Photocatalyst for Overall Water Splitting. Nano Letters, 2018, 18, 805-810.	9.1	69
27	Surface Photovoltage Spectroscopy Resolves Interfacial Charge Separation Efficiencies in ZnO Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2018, 122, 2582-2588.	3.1	26
28	Journal of Materials Chemistry A Editorâ€™s choice web collection: â€œRecent advances in solar fuels and photocatalysis researchâ€: Journal of Materials Chemistry A, 2018, 6, 9763-9764.	10.3	5
29	Aluminum enhances photochemical charge separation in strontium titanate nanocrystal photocatalysts for overall water splitting. Journal of Materials Chemistry A, 2018, 6, 16170-16176.	10.3	27
30	Defect States Control Effective Band Gap and Photochemistry of Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2018, 10, 27195-27204.	8.0	24
31	Wavelength dependent photochemical charge transfer at the Cu₂Oâ€“BiVO₄ particle interface â€“ evidence for tandem excitation. Chemical Communications, 2018, 54, 9023-9026.	4.1	13
32	Chapter 7. Artificial Photosynthesis with Inorganic Particles. RSC Energy and Environment Series, 2018, , 214-280.	0.5	4
33	(Invited) Quantum Confinement Controls Effective Band Gap, Photocatalytic H2 Evolution and Photovoltage in CdSe Nanocrystals. ECS Meeting Abstracts, 2018, , .	0.0	0
34	(Invited)ÂThermodynamic Aspects of Devices for Solar Energy and Chemical Conversions. ECS Meeting Abstracts, 2018, MA2018-01, 1860-1860.	0.0	0
35	Photocatalysis versus Photosynthesis: A Sensitivity Analysis of Devices for Solar Energy Conversion and Chemical Transformations. ACS Energy Letters, 2017, 2, 445-453.	17.4	214
36	Investigation of charge separation in particulate oxysulfide and oxynitride photoelectrodes by surface photovoltage spectroscopy. Chemical Physics Letters, 2017, 683, 140-144.	2.6	16

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37	Enhancing the Photoactivity of Faceted BiVO₄ via Annealing in Oxygenâ€Deficient Condition. Particle and Particle Systems Characterization, 2017, 34, 1600290.	2.3	75
38	ZnO-based dye-sensitized solar cells: Effects of redox couple and dye aggregation. Electrochimica Acta, 2017, 258, 396-404.	5.2	24
39	Size and Morphology of Suspended WO3 Particles Control Photochemical Charge Carrier Extraction and Photocatalytic Water Oxidation Activity. Topics in Catalysis, 2016, 59, 750-756.	2.8	22
40	Use of Surface Photovoltage Spectroscopy to Measure Built-in Voltage, Space Charge Layer Width, and Effective Band Gap in CdSe Quantum Dot Films. Journal of Physical Chemistry Letters, 2016, 7, 3335-3340.	4.6	38
41	Photocatalytic water oxidation with iron oxide hydroxide (rust) nanoparticles. Journal of Photonics for Energy, 2016, 7, 012003.	1.3	8
42	Flux Synthesis, Optical and Photocatalytic Properties of <i>n</i>-type Sn₂TiO₄: Hydrogen and Oxygen Evolution under Visible Light. Chemistry of Materials, 2016, 28, 8876-8889.	6.7	61
43	The Low Concentration of CO₂ in the Atmosphere Is an Obstacle to a Sustainable Artificial Photosynthesis Fuel Cycle Based on Carbon. ACS Energy Letters, 2016, 1, 1060-1061.	17.4	15
44	Themed issue on water splitting and photocatalysis. Journal of Materials Chemistry A, 2016, 4, 2764-2765.	10.3	14
45	Photochemistry of hematite photoanodes under zero applied bias. Applied Catalysis A: General, 2016, 521, 168-173.	4.3	20
46	Electronic structure, photovoltage, and photocatalytic hydrogen evolution with p-CuBi₂O₄ nanocrystals. Journal of Materials Chemistry A, 2016, 4, 2936-2942.	10.3	158
47	(Invited) Observing Photochemical Charge Transport at Particle Based Tandem Junctions for Overall Water Splitting. ECS Meeting Abstracts, 2016, , .	0.0	0
48	Enhancing Majority Carrier Transport in WO₃Water Oxidation Photoanode via Electrochemical Doping. Journal of the Electrochemical Society, 2015, 162, H65-H71.	2.9	56
49	Controlling the Trap State Landscape of Colloidal CdSe Nanocrystals with Cadmium Halide Ligands. Chemistry of Materials, 2015, 27, 744-756.	6.7	58
50	Photochemical Charge Separation at Particle Interfaces: The n-BiVO₄â€"p-Silicon System. ACS Applied Materials & Interfaces, 2015, 7, 5959-5964.	8.0	43
51	Particle suspension reactors and materials for solar-driven water splitting. Energy and Environmental Science, 2015, 8, 2825-2850.	30.8	344
52	Nanoscale Effects in Water Splitting Photocatalysis. Topics in Current Chemistry, 2015, 371, 105-142.	4.0	36
53	Nickel Oxide Particles Catalyze Photochemical Hydrogen Evolution from Waterâ€"Nanoscaling Promotes P-Type Character and Minority Carrier Extraction. ACS Nano, 2015, 9, 5135-5142.	14.6	98
54	Synthesis, Structure, Thermoelectric Properties, and Band Gaps of Alkali Metal Containing Type I Clathrates: A₈Ga₈Si₃₈ (A = K, Rb, Cs) and K₈Al₈Si₃₈. Chemistry of Materials, 2015, 27, 2812-2820.	6.7	37

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55	Structure defects in g-C₃N₄ limit visible light driven hydrogen evolution and photovoltage. Journal of Materials Chemistry A, 2014, 2, 20338-20344.	10.3	233
56	<i>mP</i>â€BaP₃: A New Phase from an Old Binary System. Chemistry - A European Journal, 2014, 20, 10829-10837.	3.3	30
57	Complete Water Splitting with Multi-Component Catalysts: Proposed Mechanism of Charge Transport in NiOx Loaded SrTiO3 Photocatalyst for Complete Water Splitting. Springer Theses, 2014, , 53-66.	0.1	1
58	The Hydrogen Evolution Reaction: Water Reduction Photocatalysisâ€"Improved Niobate Nanoscroll Photocatalysts for Partial Water Splitting. Springer Theses, 2014, , 9-25.	0.1	2
59	The Oxygen Evolution Reaction: Water Oxidation Photocatalysisâ€"Photocatalytic Water Oxidation with Suspended alpha-Fe2O3 Particlesâ€"Effects of Nanoscaling. Springer Theses, 2014, , 27-37.	0.1	0
60	A tellurium-substituted Lindqvist-type polyoxoniobate showing high H₂evolution catalyzed by tellurium nanowires via photodecomposition. Chemical Communications, 2014, 50, 836-838.	4.1	61
61	Limiting factors for photochemical charge separation in BiVO₄/Co₃O₄, a highly active photocatalyst for water oxidation in sunlight. Journal of Materials Chemistry A, 2014, 2, 9405-9411.	10.3	118
62	Effect of fractal silver electrodes on charge collection and light distribution in semiconducting organic polymer films. Journal of Materials Chemistry A, 2014, 2, 16608-16616.	10.3	13
63	Use of potential determining ions to control energetics and photochemical charge transfer of a nanoscale water splitting photocatalyst. Energy and Environmental Science, 2014, 7, 736-743.	30.8	25
64	High alkalinity boosts visible light driven H₂ evolution activity of g-C₃N₄ in aqueous methanol. Chemical Communications, 2014, 50, 15521-15524.	4.1	69
65	Thiol-Capped Germanium Nanocrystals: Preparation and Evidence for Quantum Size Effects. Chemistry of Materials, 2014, 26, 2138-2146.	6.7	36
66	Boosting the Efficiency of Suspended Photocatalysts for Overall Water Splitting. Journal of Physical Chemistry Letters, 2014, 5, 2510-2511.	4.6	26
67	Maximum Theoretical Efficiency Limit of Photovoltaic Devices: Effect of Band Structure on Excited State Entropy. Journal of Physical Chemistry Letters, 2014, 5, 3354-3359.	4.6	20
68	Photochemical Charge Separation in Nanocrystal Photocatalyst Films: Insights from Surface Photovoltage Spectroscopy. Journal of Physical Chemistry Letters, 2014, 5, 782-786.	4.6	78
69	P3HT:PCBM Bulk-Heterojunctions: Observing Interfacial and Charge Transfer States with Surface Photovoltage Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 14723-14731.	3.1	44
70	Overall Photocatalytic Water Splitting with Suspended NiO-SrTiO3 Nanocrystals. Springer Theses, 2014, , 39-51.	0.1	0
71	Photochemical Charge Separation in Poly(3-hexylthiophene) (P3HT) Films Observed with Surface Photovoltage Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 26905-26913.	3.1	41
72	Inorganic nanostructures for photoelectrochemical and photocatalytic water splitting. Chemical Society Reviews, 2013, 42, 2294-2320.	38.1	1,846

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73	Quantum Confinement Controls Photocatalysis: A Free Energy Analysis for Photocatalytic Proton Reduction at CdSe Nanocrystals. ACS Nano, 2013, 7, 4316-4325.	14.6	234
74	Quantum confinement controlled photocatalytic water splitting by suspended CdSe nanocrystals. Chemical Communications, 2012, 48, 371-373.	4.1	200
75	Nanoscale Strontium Titanate Photocatalysts for Overall Water Splitting. ACS Nano, 2012, 6, 7420-7426.	14.6	236
76	Photocatalytic Water Splitting with Suspended Calcium Niobium Oxides: Why Nanoscale is Better than Bulk â€“ A Kinetic Analysis. Journal of Physical Chemistry C, 2012, 116, 3161-3170.	3.1	88
77	Calcium niobate nanosheets as a novel electron transport material for solution-processed multi-junction polymer solar cells. Journal of Materials Chemistry, 2012, 22, 20443.	6.7	19
78	Overall photocatalytic water splitting with NiOxâ€“SrTiO3 â€“ a revised mechanism. Energy and Environmental Science, 2012, 5, 9543.	30.8	199
79	Single-Crystal Tungsten Oxide Nanosheets: Photochemical Water Oxidation in the Quantum Confinement Regime. Chemistry of Materials, 2012, 24, 698-704.	6.7	158
80	A Lightâ€Assisted Biomass Fuel Cell for Renewable Electricity Generation from Wastewater. ChemSusChem, 2012, 5, 1482-1487.	6.8	18
81	Photocatalytic water oxidation with suspended alpha-Fe2O3 particles-effects of nanoscaling. Energy and Environmental Science, 2011, 4, 4270.	30.8	209
82	Recent developments in solar water-splitting photocatalysis. MRS Bulletin, 2011, 36, 17-22.	3.5	259
83	Photocatalytic Water Oxidation with Nonsensitized IrO₂ Nanocrystals under Visible and UV Light. Journal of the American Chemical Society, 2011, 133, 7264-7267.	13.7	239
84	Sequestering High-Energy Electrons to Facilitate Photocatalytic Hydrogen Generation in CdSe/CdS Nanocrystals. Journal of Physical Chemistry Letters, 2011, 2, 2688-2694.	4.6	105
85	Improved Niobate Nanoscroll Photocatalysts for Partial Water Splitting. ChemSusChem, 2011, 4, 185-190.	6.8	43
86	Assembly of Coreâˆ'Shell Structures for Photocatalytic Hydrogen Evolution from Aqueous Methanol. Chemistry of Materials, 2010, 22, 3362-3368.	6.7	32
87	CdSe-MoS₂: A Quantum Size-Confined Photocatalyst for Hydrogen Evolution from Water under Visible Light. Journal of Physical Chemistry C, 2010, 114, 10628-10633.	3.1	263
88	Artificial Inorganic Leafs for Efficient Photochemical Hydrogen Production Inspired by Natural Photosynthesis. Advanced Materials, 2010, 22, 951-956.	21.0	244
89	Light Harvesting: Artificial Inorganic Leafs for Efficient Photochemical Hydrogen Production Inspired by Natural Photosynthesis (Adv. Mater. 9/2010). Advanced Materials, 2010, 22, n/a-n/a.	21.0	4
90	Photocatalytic water splitting with nano-K 4 Nb 6 O 17. Proceedings of SPIE, 2010, , .	0.8	1

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91	Charge Separation in a Niobate Nanosheet Photocatalyst Studied with Photochemical Labeling. Langmuir, 2010, 26, 7254-7261.	3.5	44
92	Evolution of Physical and Photocatalytic Properties in the Layered Titanates A₂Ti₄O₉ (A = K, H) and in Nanosheets Derived by Chemical Exfoliation. Chemistry of Materials, 2010, 22, 1220-1228.	6.7	160
93	Niobate Nanosheets as Catalysts for Photochemical Water Splitting into Hydrogen and Hydrogen Peroxide. Journal of Physical Chemistry C, 2009, 113, 479-485.	3.1	129
94	Unique LaTaO4 Polymorph for Multiple Energy Applications. Chemistry of Materials, 2009, 21, 4731-4737.	6.7	56
95	K4Nb6O17-derived photocatalysts for hydrogen evolution from water: Nanoscrolls versus nanosheets. Journal of Solid State Chemistry, 2008, 181, 1678-1683.	2.9	98
96	Ultrafast Carrier Dynamics in Exfoliated and Functionalized Calcium Niobate Nanosheets in Water and Methanol. Journal of Physical Chemistry C, 2008, 112, 2394-2403.	3.1	72
97	First demonstration of CdSe as a photocatalyst for hydrogen evolution from water under UV and visible light. Chemical Communications, 2008, , 2206.	4.1	127
98	Inorganic Materials as Catalysts for Photochemical Splitting of Water. Chemistry of Materials, 2008, 20, 35-54.	6.7	1,991
99	A Building Block Approach to Photochemical Water-Splitting Catalysts Based on Layered Niobate Nanosheets. Journal of Physical Chemistry C, 2008, 112, 6202-6208.	3.1	82
100	Metallic LiMo₃Se₃ Nanowire Film Sensors for Electrical Detection of Metal Ions in Water. Langmuir, 2008, 24, 7031-7037.	3.5	10
101	A Simple Laboratory Method to Pattern Subâ€Millimeter Features of Conductive Films of Gold and Indium Tin Oxide. Instrumentation Science and Technology, 2007, 35, 53-58.	1.8	2
102	Calcium Niobate Semiconductor Nanosheets as Catalysts for Photochemical Hydrogen Evolution from Water. Journal of Physical Chemistry C, 2007, 111, 14589-14592.	3.1	135
103	Evolution of Size and Shape in the Colloidal Crystallization of Gold Nanoparticles. Journal of the American Chemical Society, 2007, 129, 7793-7798.	13.7	114
104	DIRECTIONAL SUPERPARAMAGNETISM AND PHOTOLUMINESCENCE IN CLUSTERS OF MAGNETITE AND CADMIUM SELENIDE NANOPARTICLES. Comments on Inorganic Chemistry, 2006, 27, 41-59.	5.2	4
105	Planar Gold Nanoparticle Clusters as Microscale Mirrors. Journal of the American Chemical Society, 2006, 128, 3868-3869.	13.7	33
106	Molecular Adsorption to LiMo3Se3Nanowire Film Chemiresistors. Analytical Chemistry, 2006, 78, 1306-1311.	6.5	8
107	Effect of Additives on LiMo3Se3Nanowire Film Chemical Sensors. Langmuir, 2006, 22, 8253-8256.	3.5	6
108	A Nanowireâ€“Nanoparticle Cross-Linking Approach to Highly Porous Electrically Conducting Solids. Angewandte Chemie - International Edition, 2006, 45, 3653-3656.	13.8	6

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109	ZnOâ˘CdSe Nanoparticle Clusters as Directional Photoemitters with Tunable Wavelength. Journal of the American Chemical Society, 2005, 127, 10152-10153.	13.7	78
110	Chemical Sensing with LiMo3Se3Nanowire Films. Journal of the American Chemical Society, 2005, 127, 7666-7667.	13.7	41
111	Synthesis and Real-Time Magnetic Manipulation of a Biaxial Superparamagnetic Colloid. Journal of Physical Chemistry B, 2005, 109, 11151-11157.	2.6	27
112	Planar Polarized Light Emission from CdSe Nanoparticle Clusters. Journal of the American Chemical Society, 2005, 127, 15556-15561.	13.7	24
113	Fe3O4-LiMo3Se3Nanoparticle Clusters as Superparamagnetic Nanocompasses. Langmuir, 2005, 21, 9709-9713.	3.5	28
114	A Simple Large-Scale Synthesis of Nearly Monodisperse Gold and Silver Nanoparticles with Adjustable Sizes and with Exchangeable Surfactants. Chemistry of Materials, 2004, 16, 2509-2511.	6.7	600
115	Alkanethiol-Induced Structural Rearrangements in Silicaâ˘Gold Coreâ˘Shell-type Nanoparticle Clusters:Â An Opportunity for Chemical Sensor Engineering. Langmuir, 2004, 20, 5553-5558.	3.5	68
116	Stringing up the Pearls:Â Self-Assembly, Optical and Electronic Properties of CdSeâ˘ and Auâ˘LiMo3Se3Nanoparticleâ˘Nanowire Composites. Nano Letters, 2003, 3, 125-129.	9.1	45
117	pH-Controlled Assembly and Disassembly of Electrostatically Linked CdSeâ˘SiO2and Auâ˘SiO2Nanoparticle Clusters. Langmuir, 2003, 19, 7003-7011.	3.5	119
118	A low temperature cluster condensation approach to CdS nanocrystals: oxidative aggregation of [Cd10S4Br4(SR)12]4? with sulfurElectronic supplementary information (ESI) available: X-ray powder, IR and 13C NMR spectra. See http://www.rsc.org/suppdata/cc/b3/b302266h/. Chemical Communications, 2003, , 1700.	4.1	12
119	Extrinsic magnetoresistance in magnetite nanoparticles. Journal of Applied Physics, 2003, 93, 7951-7953.	2.5	90
120	Solution Self-Assembly of Magnetic Light Modulators from Exfoliated Perovskite and Magnetite Nanoparticles. Journal of the American Chemical Society, 2002, 124, 6248-6249.	13.7	33
121	Determination of Antiferromagnetic Exchange Coupling in the Tetrahedral Thiolate-Bridged Diferrous Complex [Fe2(SEt)6]2-. Inorganic Chemistry, 2002, 41, 7081-7085.	4.0	12
122	Molybdenumâ˘Ironâ˘Sulfur Clusters of Nuclearities Eight and Sixteen, Including a Topological Analogue of the P-Cluster of Nitrogenase. Inorganic Chemistry, 2001, 40, 224-232.	4.0	51
123	Reduced Mono-, Di-, and Tetracubane-Type Clusters Containing the [MoFe3S4]2+Core Stabilized by Tertiary Phosphine Ligation. Inorganic Chemistry, 2000, 39, 980-989.	4.0	50
124	Crystal structure of the Ni(II)-complex of a redox switched crown ether. Polyhedron, 1999, 18, 1957-1960.	2.2	0
125	A Molybdenum-Iron-Sulfur Cluster Containing Structural Elements Relevant to the P-Cluster of Nitrogenase. Angewandte Chemie - International Edition, 1999, 38, 2066-2070.	13.8	44
126	Synthesis and Characterization of Neutral Hexanuclear Iron Sulfur Clusters Containing Stair-like [Fe6(Î¼3-S)4(Î¼2-SR)4] and Nest-like [Fe6(Î¼3-S)2(Î¼2-S)2(Î¼4-S)(Î¼2-SR)4] Core Structures. Inorganic Chemistry, 1998, 37, 3581-3587.	4.0	19

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127	Synthesis, X-ray structure and electrochemical characterisation of a binuclear thiolate bridged Niâ€“Feâ€“nitrosyl complex, related to the active site of NiFe hydrogenase. Chemical Communications, 1997, , 979-980.	4.1	81
128	Unidentate and Bidentate Binding of Nickel(II) Complexes to an Fe4S4ClusterviaBridging Thiolates:Â Synthesis, Crystal Structures, and Electrochemical Properties of Model Compounds for the Active Sites of Nickel Containing CO Dehydrogenase/Acetyl-CoA Synthase. Journal of the American Chemical Society, 1997, 119, 5648-5656.	13.7	65
129	Nickel(II) complexes bound to an [Fe4S4] cluster via bridging thiolates:synthesis and crystal structure of model compounds for the active site of nickel CO dehydrogenase. Chemical Communications, 1996, , 777.	4.1	22
130	Nanoparticle-Assembled Catalysts for Photochemical Water Splitting. , 0, , 507-521.		2
131	Perovskite-type Oxynitrides LaTaO2N and LaTaON2 â€“ Synthetic Strategies. , 0, , .		0
132	Perovskite-type Oxynitrides LaTaO2N and LaTaON2 â€“ Synthetic Strategies. , 0, , .		0