Kevin Sivula

List of Publications by Citations

141 papers	19,233 citations	59 h-index	138 g-index
159 ext. papers	21,061 ext. citations	12.4 avg, IF	7.3 L-index

#	Paper	IF	Citations
141	Solar water splitting: progress using hematite (□Fe(2) O(3)) photoelectrodes. *ChemSusChem*, **2011**, 4, 432-49	8.3	2071
140	Highly active oxide photocathode for photoelectrochemical water reduction. *Nature Materials*, **2011**, 10, 456-61	27	1687
139	Semiconducting materials for photoelectrochemical energy conversion. *Nature Reviews Materials*, **2016**, 1,	73.3	899
138	Light-induced water splitting with hematite: improved nanostructure and iridium oxide catalysis. *Angewandte Chemie - International Edition*, **2010**, 49, 6405-8	16.4	814
137	Probing the photoelectrochemical properties of hematite (□Fe2O3) electrodes using hydrogen peroxide as a hole scavenger. *Energy and Environmental Science*, **2011**, 4, 958-964	35.4	803
136	Photoelectrochemical water splitting with mesoporous hematite prepared by a solution-based colloidal approach. *Journal of the American Chemical Society*, **2010**, 132, 7436-44	16.4	790
135	Passivating surface states on water splitting hematite photoanodes with alumina overlayers. *Chemical Science*, **2011**, 2, 737-743	9.4	675
134	Photo-assisted electrodeposition of cobalt□phosphate (Co□Pi) catalyst on hematite photoanodes for solar water oxidation. *Energy and Environmental Science*, **2011**, 4, 1759	35.4	564
133	Influence of Feature Size, Film Thickness, and Silicon Doping on the Performance of Nanostructured Hematite Photoanodes for Solar Water Splitting. *Journal of Physical Chemistry C*, **2009**, 113, 772-782	3.8	548
132	Employing end-functional polythiophene to control the morphology of nanocrystal-polymer composites in hybrid solar cells. *Journal of the American Chemical Society*, **2004**, 126, 6550-1	16.4	423
131	WO3□Fe2O3 Photoanodes for Water Splitting: A Host Scaffold, Guest Absorber Approach. *Chemistry of Materials*, **2009**, 21, 2862-2867	9.6	422
130	Photoelectrochemical Tandem Cells for Solar Water Splitting. *Journal of Physical Chemistry C*, **2013**, 117, 17879-17893	3.8	411
129	Highly efficient water splitting by a dual-absorber tandem cell. *Nature Photonics*, **2012**, 6, 824-828	33.9	398
128	Amphiphilic Diblock Copolymer Compatibilizers and Their Effect on the Morphology and Performance of Polythiophene:Fullerene Solar Cells. *Advanced Materials*, **2006**, 18, 206-210	24	380
127	Dynamics of photogenerated holes in surface modified □Fe2O3 photoanodes for solar water splitting. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15640-5	11.5	362
126	Controlling Photoactivity in Ultrathin Hematite Films for Solar Water-Splitting. *Advanced Functional Materials*, **2010**, 20, 1099-1107	15.6	324
125	Decoupling feature size and functionality in solution-processed, porous hematite electrodes for solar water splitting. *Nano Letters*, **2010**, 10, 4155-60	11.5	271

124	Regenerative PbS and CdS quantum dot sensitized solar cells with a cobalt complex as hole mediator. *Langmuir*, **2009**, 25, 7602-8	4	262
123	Enhancement in the performance of ultrathin hematite photoanode for water splitting by an oxide underlayer. *Advanced Materials*, **2012**, 24, 2699-702	24	257
122	Metal Oxide Photoelectrodes for Solar Fuel Production, Surface Traps, and Catalysis. *Journal of Physical Chemistry Letters*, **2013**, 4, 1624-33	6.4	254
121	The Transient Photocurrent and Photovoltage Behavior of a Hematite Photoanode under Working Conditions and the Influence of Surface Treatments. *Journal of Physical Chemistry C*, **2012**, 116, 26707-26720	4.8	253
120	Cathodic shift in onset potential of solar oxygen evolution on hematite by 13-group oxide overlayers. *Energy and Environmental Science*, **2011**, 4, 2512	35.4	243
119	Dynamics of photogenerated holes in nanocrystalline □Fe2O3 electrodes for water oxidation probed by transient absorption spectroscopy. *Chemical Communications*, **2011**, 47, 716-8	5.8	234
118	Light-Induced Water Splitting with Hematite: Improved Nanostructure and Iridium Oxide Catalysis. *Angewandte Chemie*, **2010**, 122, 6549-6552	3.6	233
117	Activation energies for the rate-limiting step in water photooxidation by nanostructured □Fe2O3 and TiO2. *Journal of the American Chemical Society*, **2011**, 133, 10134-40	16.4	225
116	A Bismuth Vanadate□Cuprous Oxide Tandem Cell for Overall Solar Water Splitting. *Journal of Physical Chemistry C*, **2014**, 118, 16959-16966	3.8	206
115	Enhancing the thermal stability of polythiophene:fullerene solar cells by decreasing effective polymer regioregularity. *Journal of the American Chemical Society*, **2006**, 128, 13988-9	16.4	206
114	Self-assembled 2D WSe2 thin films for photoelectrochemical hydrogen production. *Nature Communications*, **2015**, 6, 7596	17.4	193
113	Enhancing the Performance of a robust sol-gel-processed p-type delafossite CuFeO2 photocathode for solar water reduction. *ChemSusChem*, **2015**, 8, 1359-67	8.3	189
112	Correlating long-lived photogenerated hole populations with photocurrent densities in hematite water oxidation photoanodes. *Energy and Environmental Science*, **2012**, 5, 6304-6312	35.4	171
111	Solar hydrogen production with semiconductor metal oxides: new directions in experiment and theory. *Physical Chemistry Chemical Physics*, **2012**, 14, 49-70	3.6	171
110	High Efficiency Organic Photovoltaics Incorporating a New Family of Soluble Fullerene Derivatives. *Chemistry of Materials*, **2007**, 19, 2927-2929	9.6	159
109	Examining architectures of photoanode□photovoltaic tandem cells for solar water splitting. *Journal of Materials Research*, **2010**, 25, 17-24	2.5	157
108	Hematite photoelectrodes for water splitting: evaluation of the role of film thickness by impedance spectroscopy. *Physical Chemistry Chemical Physics*, **2014**, 16, 16515-23	3.6	142
107	Intrinsic Halide Segregation at Nanometer Scale Determines the High Efficiency of Mixed Cation/Mixed Halide Perovskite Solar Cells. *Journal of the American Chemical Society*, **2016**, 138, 15821-15824	16.4	141

106	Optimization and stabilization of electrodeposited Cu2ZnSnS4 photocathodes for solar water reduction. *ACS Applied Materials & Interfaces*, **2013**, 5, 8018-24	9.5	134
105	Printable polythiophene gas sensor array for low-cost electronic noses. *Journal of Applied Physics*, **2006**, 100, 014506	2.5	131
104	MIL-101(Fe)/g-C3N4 for enhanced visible-light-driven photocatalysis toward simultaneous reduction of Cr(VI) and oxidation of bisphenol A in aqueous media. *Applied Catalysis B: Environmental*, **2020**, 272, 119033	21.8	131
103	Direct Observation of Two Electron Holes in a Hematite Photoanode during Photoelectrochemical Water Splitting. *Journal of Physical Chemistry C*, **2012**, 116, 16870-16875	3.8	124
102	Potential-sensing electrochemical atomic force microscopy for in operando analysis of water-splitting catalysts and interfaces. *Nature Energy*, **2018**, 3, 46-52	62.3	111
101	Surface modification of semiconductor photoelectrodes. *Physical Chemistry Chemical Physics*, **2015**, 17, 15655-74	3.6	110
100	Evaluating Charge Carrier Transport and Surface States in CuFeO2 Photocathodes. *Chemistry of Materials*, **2017**, 29, 4952-4962	9.6	106
99	The Many Faces of Mixed Ion Perovskites: Unraveling and Understanding the Crystallization Process. *ACS Energy Letters*, **2017**, 2, 2686-2693	20.1	100
98	Evaluating spinel ferrites MFe2O4 (M = Cu, Mg, Zn) as photoanodes for solar water oxidation: prospects and limitations. *Sustainable Energy and Fuels*, **2018**, 2, 103-117	5.8	93
97	Influence of Alkyl Substitution Pattern in Thiophene Copolymers on Composite Fullerene Solar Cell Performance. *Macromolecules*, **2007**, 40, 7425-7428	5.5	93
96	A Ga2O3 underlayer as an isomorphic template for ultrathin hematite films toward efficient photoelectrochemical water splitting. *Faraday Discussions*, **2012**, 155, 223-32; discussion 297-308	3.6	90
95	A Bottom-Up Approach toward All-Solution-Processed High-Efficiency Cu(In,Ga)S2 Photocathodes for Solar Water Splitting. *Advanced Energy Materials*, **2016**, 6, 1501949	21.8	84
94	Multiflake Thin Film Electronic Devices of Solution Processed 2D MoS2 Enabled by Sonopolymer Assisted Exfoliation and Surface Modification. *Chemistry of Materials*, **2014**, 26, 5892-5899	9.6	81
93	Spinel Structural Disorder Influences Solar-Water-Splitting Performance of ZnFe O Nanorod Photoanodes. *Advanced Materials*, **2018**, 30, e1801612	24	78
92	Design and validation of a foldable and photovoltaic wide-field epiretinal prosthesis. *Nature Communications*, **2018**, 9, 992	17.4	73
91	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. *Journal of the American Chemical Society*, **2020**, 142, 19980-19991	16.4	72
90	CuO photocathodes with band-tail states assisted hole transport for standalone solar water splitting. *Nature Communications*, **2020**, 11, 318	17.4	70
89	Direct Light-Driven Water Oxidation by a Ladder-Type Conjugated Polymer Photoanode. *Journal of the American Chemical Society*, **2015**, 137, 15338-41	16.4	69

88	In Situ Electrochemical Oxidation of Cu2S into CuO Nanowires as a Durable and Efficient Electrocatalyst for Oxygen Evolution Reaction. *Chemistry of Materials*, **2019**, 31, 7732-7743	9.6	69
87	Improving charge collection with delafossite photocathodes: a host–guest CuAlO2/CuFeO2 approach. *Journal of Materials Chemistry A*, **2016**, 4, 3018-3026	13	68
86	Photocatalytic hydrogen generation from a visible-light responsive metal–organic framework system: the impact of nickel phosphide nanoparticles. *Journal of Materials Chemistry A*, **2018**, 6, 2476-2481	13	68
85	Organic Semiconductor Based Devices for Solar Water Splitting. *Advanced Energy Materials*, **2018**, 8, 1802585	21.8	64
84	LaTiO2N/In2O3 photoanodes with improved performance for solar water splitting. *Chemical Communications*, **2012**, 48, 820-2	5.8	62
83	Toward Large-Area Solar Energy Conversion with Semiconducting 2D Transition Metal Dichalcogenides. *ACS Energy Letters*, **2016**, 1, 315-322	20.1	61
82	Alternative Oxidation Reactions for Solar-Driven Fuel Production. *ACS Catalysis*, **2019**, 9, 2007-2017	13.1	59
81	Facile fabrication of tin-doped hematite photoelectrodes – effect of doping on magnetic properties and performance for light-induced water splitting. *Journal of Materials Chemistry*, **2012**, 22, 23232		58
80	Evolution of an Oxygen Near-Edge X-ray Absorption Fine Structure Transition in the Upper Hubbard Band in α-Fe2O3 upon Electrochemical Oxidation. *Journal of Physical Chemistry C*, **2011**, 115, 5619-5625	3.8	56
79	Well-Defined Fullerene-Containing Homopolymers and Diblock Copolymers with High Fullerene Content and Their Use for Solution-Phase and Bulk Organization. *Macromolecules*, **2006**, 39, 70-72	5.5	56
78	Enhanced light harvesting in mesoporous TiO2/P3HT hybrid solar cells using a porphyrin dye. *Chemical Communications*, **2011**, 47, 8244-6	5.8	55
77	Preferential Orientation in Hematite Films for Solar Hydrogen Production via Water Splitting. *Chemical Vapor Deposition*, **2010**, 16, 291-295		51
76	Defect Mitigation of Solution-Processed 2D WSe Nanoflakes for Solar-to-Hydrogen Conversion. *Nano Letters*, **2018**, 18, 215-222	11.5	50
75	Passivation Mechanism Exploiting Surface Dipoles Affords High-Performance Perovskite Solar Cells. *Journal of the American Chemical Society*, **2020**, 142, 11428-11433	16.4	48
74	Effects of Molecular Weight on Microstructure and Carrier Transport in a Semicrystalline Poly(thieno)thiophene. *Macromolecules*, **2013**, 46, 9349-9358	5.5	45
73	Insights into the interfacial carrier behaviour of copper ferrite (CuFe2O4) photoanodes for solar water oxidation. *Journal of Materials Chemistry A*, **2019**, 7, 1669-1677	13	42
72	Enhancing the Charge Separation in Nanocrystalline Cu2ZnSnS4 Photocathodes for Photoelectrochemical Application: The Role of Surface Modifications. *Journal of Physical Chemistry Letters*, **2014**, 5, 3902-8	6.4	37
71	Solution-Processed Ultrathin SnS-Pt Nanoplates for Photoelectrochemical Water Oxidation. *ACS Applied Materials & Interfaces*, **2019**, 11, 6918-6926	9.5	36

70	Controlling conjugated polymer morphology and charge carrier transport with a flexible-linker approach. *Chemical Science*, **2014**, 5, 4922-4927	9.4	35
69	Templating Sol-Gel Hematite Films with Sacrificial Copper Oxide: Enhancing Photoanode Performance with Nanostructure and Oxygen Vacancies. *ACS Applied Materials & Interfaces*, **2015**, 7, 16999-7007	9.5	33
68	A novel approach for the preparation of textured CuO thin films from electrodeposited CuCl and CuBr. *Journal of Electroanalytical Chemistry*, **2014**, 717-718, 243-249	4.1	33
67	Photogenerated Charge Harvesting and Recombination in Photocathodes of Solvent-Exfoliated WSe2. *Chemistry of Materials*, **2017**, 29, 6863-6875	9.6	33
66	FeO-based nanostructures and nanohybrids for photoelectrochemical water splitting. *Progress in Materials Science*, **2020**, 110, 100632	42.2	33
65	Nanostructured p-type cobalt layered double hydroxide/n-type polymer bulk heterojunction yields an inexpensive photovoltaic cell. *Thin Solid Films*, **2009**, 517, 5722-5727	2.2	32
64	Toward Economically Feasible Direct Solar-to-Fuel Energy Conversion. *Journal of Physical Chemistry Letters*, **2015**, 6, 975-6	6.4	27
63	Solar-to-Chemical Energy Conversion with Photoelectrochemical Tandem Cells. *Chimia*, **2013**, 67, 155-61	1.3	27
62	Establishing Stability in Organic Semiconductor Photocathodes for Solar Hydrogen Production. *Journal of the American Chemical Society*, **2020**, 142, 7795-7802	16.4	26
61	A Gibeon meteorite yields a high-performance water oxidation electrocatalyst. *Energy and Environmental Science*, **2016**, 9, 3448-3455	35.4	26
60	Layered 2D semiconducting transition metal dichalcogenides for solar energy conversion. *Current Opinion in Electrochemistry*, **2017**, 2, 97-103	7.2	25
59	Challenges towards Economic Fuel Generation from Renewable Electricity: The Need for Efficient Electro-Catalysis. *Chimia*, **2015**, 69, 789-798	1.3	25
58	The Role of Excitons and Free Charges in the Excited-State Dynamics of Solution-Processed Few-Layer MoS2 Nanoflakes. *Journal of Physical Chemistry C*, **2016**, 120, 23286-23292	3.8	25
57	Hybrid Heterojunctions of Solution-Processed Semiconducting 2D Transition Metal Dichalcogenides. *ACS Energy Letters*, **2017**, 2, 524-531	20.1	24
56	Robust Hierarchically Structured Biphasic Ambipolar Oxide Photoelectrodes for Light-Driven Chemical Regulation and Switchable Logic Applications. *Advanced Materials*, **2016**, 28, 9308-9312	24	23
55	Heterotetracenes: Flexible Synthesis and in Silico Assessment of the Hole-Transport Properties. *Chemistry - A European Journal*, **2017**, 23, 8058-8065	4.8	21
54	Porous NiTiO3/TiO2 nanostructures for photocatatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2019**, 7, 17053-17059	13	21
53	Enhancing the Thermal Stability of Solution-Processed Small-Molecule Semiconductor Thin Films Using a Flexible Linker Approach. *Advanced Materials*, **2015**, 27, 5541-6	24	21

52	Lead Halide Perovskite Quantum Dots To Enhance the Power Conversion Efficiency of Organic Solar Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 12696-12704	16.4	19
51	Mott–Schottky Analysis of Photoelectrodes: Sanity Checks Are Needed. *ACS Energy Letters*, **2021**, 6, 2549-2551	19.3	19
50	Amorphous Ternary Charge-Cascade Molecules for Bulk Heterojunction Photovoltaics. *ACS Applied Materials & Interfaces*, **2017**, 9, 27825-27831	9.5	18
49	Fully Conjugated Donor–Acceptor Block Copolymers for Organic Photovoltaics via Heck–Mizoroki Coupling. *ACS Macro Letters*, **2019**, 8, 134-139	6.6	18
48	Nanocrystalline Boron-Doped Diamond as a Corrosion-Resistant Anode for Water Oxidation via Si Photoelectrodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 29552-29564	9.5	17
47	Defects Give New Life to an Old Material: Electronically Leaky Titania as a Photoanode Protection Layer. *ChemCatChem*, **2014**, 6, 2796-2797	5.2	17
46	Iron resonant photoemission spectroscopy on anodized hematite points to electron hole doping during anodization. *ChemPhysChem*, **2012**, 13, 2937-44	3.2	17
45	Conjugation break spacers and flexible linkers as tools to engineer the properties of semiconducting polymers. *Polymer Journal*, **2018**, 50, 725-736	2.7	16
44	Multiarm and Substituent Effects on Charge Transport of Organic Hole Transport Materials. *Chemistry of Materials*, **2019**, 31, 6605-6614	9.6	15
43	Roll-to-Roll Deposition of Semiconducting 2D Nanoflake Films of Transition Metal Dichalcogenides for Optoelectronic Applications. *ACS Applied Nano Materials*, **2019**, 2, 7705-7712	5.6	15
42	Spectroelectrochemical and Chemical Evidence of Surface Passivation at Zinc Ferrite (ZnFe2O4) Photoanodes for Solar Water Oxidation. *Advanced Functional Materials*, **2021**, 31, 2010081	15.6	15
41	Morphology stabilization strategies for small-molecule bulk heterojunction photovoltaics. *Journal of Materials Chemistry A*, **2017**, 5, 17517-17524	13	14
40	Why Seeing Is Not Always Believing: Common Pitfalls in Photocatalysis and Electrocatalysis. *ACS Energy Letters*, **2021**, 6, 707-709	20.1	12
39	TaOxNy Sputtered Photoanodes For Solar Water Splitting. *Energy Procedia*, **2012**, 22, 119-126	2.3	11
38	Influence of Composition on Performance in Metallic Iron–Nickel–Cobalt Ternary Anodes for Alkaline Water Electrolysis. *ACS Catalysis*, **2020**, 10, 12139-12147	13.1	11
37	A semiconducting polymer bulk heterojunction photoanode for solar water oxidation. *Nature Catalysis*, **2021**, 4, 431-438	36.5	11
36	Iron-Rich Natural Mineral Gibeon Meteorite Catalyzed N-formylation of Amines using CO2 as the C1 Source. *ChemistrySelect*, **2018**, 3, 10271-10276	1.8	11
35	CHAPTER 4:Tandem Photoelectrochemical Cells for Water Splitting. *RSC Energy and Environment Series*,83-108	0.6	10

34	A Direct Z-Scheme for the Photocatalytic Hydrogen Production from a Water Ethanol Mixture on CoTiO/TiO Heterostructures. *ACS Applied Materials & Interfaces*, **2021**, 13, 449-457	9.5	10
33	CuInGaS2photocathodes treated with SbX3(X = Cl, I): the effect of the halide on solar water splitting performance. *Journal Physics D: Applied Physics*, **2017**, 50, 044003	3	9
32	Defect engineered nanostructured LaFeO3 photoanodes for improved activity in solar water oxidation. *Journal of Materials Chemistry A*, **2021**, 9, 2888-2898	13	8
31	Nanostructured Fe2O3 Photoanodes. *Kluwer International Series in Electronic Materials: Science and Technology*, **2012**, 121-156		8
30	Engineering the self-assembly of diketopyrrolopyrrole-based molecular semiconductors via an aliphatic linker strategy. *Journal of Materials Chemistry A*, **2017**, 5, 10526-10536	13	7
29	Melt-processing of small molecule organic photovoltaics bulk heterojunction compatibilization. *Green Chemistry*, **2018**, 20, 2218-2224	10	7
28	Effect of molecular weight in diketopyrrolopyrrole-based polymers in transistor and photovoltaic applications. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 2245-2253	2.6	7
27	Lead Halide Perovskite Quantum Dots To Enhance the Power Conversion Efficiency of Organic Solar Cells. *Angewandte Chemie*, **2019**, 131, 12826-12834	3.6	7
26	Achieving visible light-driven hydrogen evolution at positive bias with a hybrid copper iron oxide|TiO2-cobaloxime photocathode. *Green Chemistry*, **2020**, 22, 3141-3149	10	7
25	Semiconducting alternating multi-block copolymers via a di-functionalized macromonomer approach. *Polymer Chemistry*, **2017**, 8, 824-827	4.9	6
24	Autodecomposition Approach for the Low-Temperature Mesostructuring of Nanocrystal Semiconductor Electrodes. *Chemistry of Materials*, **2015**, 27, 6337-6344	9.6	6
23	Hydrogenation of ZnFe2O4 Flat Films: Effects of the Pre-Annealing Temperature on the Photoanodes Efficiency for Water Oxidation. *Surfaces*, **2020**, 3, 93-104	2.9	6
22	Taking lanthanides out of isolation: tuning the optical properties of metal-organic frameworks. *Chemical Science*, **2020**, 11, 4164-4170	9.4	6
21	Catalyst-Free, Fast, and Tunable Synthesis for Robust Covalent Polymer Network Semiconducting Thin Films. *Advanced Functional Materials*, **2018**, 28, 1706303	15.6	6
20	Robust Electron Transport Layers via In Situ Cross-Linking of Perylene Diimide and Fullerene for Perovskite Solar Cells. *ACS Applied Energy Materials*, **2019**, 2, 6616-6623	6.1	6
19	Spray Synthesis of CuFeO2 Photocathodes and In-Operando Assessment of Charge Carrier Recombination. *Journal of Physical Chemistry C*, **2021**, 125, 10883-10890	3.8	6
18	Generalized Synthesis to Produce Transparent Thin Films of Ternary Metal Oxide Photoelectrodes. *ChemSusChem*, **2020**, 13, 3645-3653	8.3	4
17	Understanding Surface Recombination Processes Using Intensity-Modulated Photovoltage Spectroscopy on Hematite Photoanodes for Solar Water Splitting. *Helvetica Chimica Acta*, **2020**, 103, e2000064	2	4

16	Artificial Photosynthesis with Semiconductor-Liquid Junctions. *Chimia*, **2015**, 69, 30-40	1.3	4
15	Direct photoelectrochemical oxidation of hydroxymethylfurfural on tungsten trioxide photoanodes.. *RSC Advances*, **2020**, 11, 198-202	3.7	4
14	Chapter 6:Emerging Semiconductor Oxides for Direct Solar Water Splitting. *RSC Energy and Environment Series*, **2018**, 163-182	0.6	3
13	Molecular Strategies for Morphology Control in Semiconducting Polymers for Optoelectronics. *Chimia*, **2017**, 71, 369-375	1.3	3
12	Benzodithiophene-Based Spacers for Layered and Quasi-Layered Lead Halide Perovskite Solar Cells. *ChemSusChem*, **2021**, 14, 3001-3009	8.3	3
11	A hybrid bulk-heterojunction photoanode for direct solar-to-chemical conversion. *Energy and Environmental Science*, **2021**, 14, 3141-3151	35.4	3
10	Identifying Reactive Sites and Surface Traps in Chalcopyrite Photocathodes. *Angewandte Chemie - International Edition*, **2021**, 60, 23651-23655	16.4	3
9	Energy Selects. *ACS Energy Letters*, **2019**, 4, 2021-2023	20.1	2
8	Organic Semiconductors as Photoanodes for Solar-driven Photoelectrochemical Fuel Production. *Chimia*, **2021**, 75, 169-179	1.3	2
7	Advanced Device Architectures and Tandem Devices **2016**, 493-512		2
6	Transparency and Morphology Control of Cu2O Photocathodes via an in Situ Electroconversion. *ACS Energy Letters*,1618-1625	20.1	2
5	Switchable Photoelectrodes: Robust Hierarchically Structured Biphasic Ambipolar Oxide Photoelectrodes for Light-Driven Chemical Regulation and Switchable Logic Applications (Adv. Mater. 42/2016). *Advanced Materials*, **2016**, 28, 9440-9440	24	1
4	Key factors boosting the performance of planar ZnFe2O4 photoanodes for solar water oxidation. *Journal of Materials Chemistry A*, **2021**, 9, 27736-27747	13	1
3	A Step toward Economically Viable Solar Fuel Production. *CheM*, **2018**, 4, 2490-2492	16.2	1
2	Identifizierung von reaktiven Zentren und Oberfl□henfallen in Chalkopyrit-Photokathoden. *Angewandte Chemie*, **2021**, 133, 23843	3.6	0
1	Advancing Materials and Methods for Photoelectrochemical Energy Conversion. *Chimia*, **2017**, 71, 471-474	1.3	