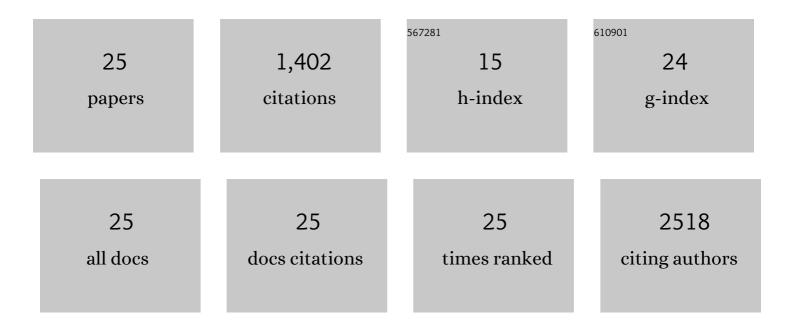
Kevan Dettelbach

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A self-driving laboratory advances the Pareto front for material properties. Nature Communications, 2022, 13, 995.	12.8	55
2	Quantifying defects in thin films using machine vision. Npj Computational Materials, 2020, 6, .	8.7	18
3	Photoelectrochemical Decomposition of Lignin Model Compound on a BiVO ₄ Photoanode. ChemSusChem, 2020, 13, 3622-3626.	6.8	17
4	Self-driving laboratory for accelerated discovery of thin-film materials. Science Advances, 2020, 6, eaaz8867.	10.3	306
5	Kinetic phases of Ag–Cu alloy films are accessible through photodeposition. Journal of Materials Chemistry A, 2019, 7, 711-715.	10.3	12
6	Spin oated epoxy resin embedding technique enables facile SEM/FIB thickness determination of porous metal oxide ultraâ€ŧhin films. Journal of Microscopy, 2018, 270, 302-308.	1.8	6
7	Tracking precursor degradation during the photo-induced formation of amorphous metal oxide films. Journal of Materials Chemistry A, 2018, 6, 4544-4549.	10.3	6
8	Photodeposited Amorphous Oxide Films for Electrochromic Windows. CheM, 2018, 4, 821-832.	11.7	95
9	Electrolysis of Gaseous CO ₂ to CO in a Flow Cell with a Bipolar Membrane. ACS Energy Letters, 2018, 3, 149-154.	17.4	265
10	Stabilizing Copper for CO ₂ Reduction in Low-Grade Electrolyte. Inorganic Chemistry, 2018, 57, 14624-14631.	4.0	21
11	Highâ€Throughput Synthesis of Mixedâ€Metal Electrocatalysts for CO ₂ Reduction. Angewandte Chemie - International Edition, 2017, 56, 6068-6072.	13.8	131
12	Highâ€Throughput Synthesis of Mixedâ€Metal Electrocatalysts for CO ₂ Reduction. Angewandte Chemie, 2017, 129, 6164-6168.	2.0	28
13	Frontispiece: Highâ€Throughput Synthesis of Mixedâ€Metal Electrocatalysts for CO ₂ Reduction. Angewandte Chemie - International Edition, 2017, 56, .	13.8	1
14	On the Electrolytic Stability of Iron-Nickel Oxides. CheM, 2017, 2, 590-597.	11.7	104
15	Multiple C–H Activations of Linear Alkanes by Various (η ⁵ -Cyclopentadienyl)W(NO)(CH ₂ CMe ₃) ₂ Complexes. Organometallics, 2017, 36, 2714-2726.	2.3	6
16	Photodeposited ruthenium dioxide films for oxygen evolution reaction electrocatalysis. Journal of Materials Chemistry A, 2017, 5, 1575-1580.	10.3	24
17	Rapid Quantification of Film Thickness and Metal Loading for Electrocatalytic Metal Oxide Films. Chemistry of Materials, 2017, 29, 7272-7277.	6.7	11
18	Frontispiz: Highâ€Throughput Synthesis of Mixedâ€Metal Electrocatalysts for CO ₂ Reduction. Angewandte Chemie. 2017. 129	2.0	0

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#	Article	IF	CITATIONS
19	Brass and Bronze as Effective CO ₂ Reduction Electrocatalysts. Angewandte Chemie, 2017, 129, 16806-16809.	2.0	15
20	Photodecomposition of Metal Nitrate and Chloride Compounds Yields Amorphous Metal Oxide Films. Journal of the American Chemical Society, 2017, 139, 18174-18177.	13.7	17
21	Brass and Bronze as Effective CO ₂ Reduction Electrocatalysts. Angewandte Chemie - International Edition, 2017, 56, 16579-16582.	13.8	43
22	Photoelectrochemical oxidation of organic substrates in organic media. Nature Communications, 2017, 8, 390.	12.8	123
23	On How Experimental Conditions Affect the Electrochemical Response of Disordered Nickel Oxyhydroxide Films. Chemistry of Materials, 2016, 28, 5635-5642.	6.7	22
24	Near-infrared–driven decomposition of metal precursors yields amorphous electrocatalytic films. Science Advances, 2015, 1, e1400215.	10.3	48
25	Structural Characteristics and Eutaxy in the Photo-Deposited Amorphous Iron Oxide Oxygen Evolution Catalyst. Chemistry of Materials, 2015, 27, 3462-3470.	6.7	28