

Adam Slabon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4527147/publications.pdf>

Version: 2024-02-01

76
papers

1,563
citations

279487

23
h-index

360668

35
g-index

95
all docs

95
docs citations

95
times ranked

1642
citing authors

#	ARTICLE	IF	CITATIONS
1	On the product selectivity in the electrochemical reductive cleavage of 2-phenoxyacetophenone, a lignin model compound. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 153-161.	2.1	10
2	Lignin-Supported Heterogeneous Photocatalyst for the Direct Generation of H_2 from Seawater. <i>Journal of the American Chemical Society</i> , 2022, 144, 2603-2613.	6.6	80
3	Closing the yellow gap with Eu- and Tb-doped GaN: one luminescent host resulting in three colours. <i>Scientific Reports</i> , 2022, 12, 2503.	1.6	11
4	Direct Solar Energy-Mediated Synthesis of Tertiary Benzylic Alcohols Using a Metal-Free Heterogeneous Photocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 530-540.	3.2	25
5	Reaction pathways on N-substituted carbon catalysts during the electrochemical reduction of nitrate to ammonia. <i>Catalysis Science and Technology</i> , 2022, 12, 3582-3593.	2.1	6
6	Front Cover: Electrochemical Depolymerization of Lignin in a Biomass-based Solvent (ChemSusChem) <i>ChemSusChem</i> , 2022, 15, 1000-1004.	3.6	0
7	Sustainable Li-Ion Batteries: Chemistry and Recycling. <i>Advanced Energy Materials</i> , 2021, 11, 2003456.	10.2	157
8	Sensibilization of p -NiO with ZnSe/CdS and CdS/ZnSe quantum dots for photoelectrochemical water reduction. <i>Nanoscale</i> , 2021, 13, 869-877.	2.8	8
9	Soot Nanoparticles Generated from Tribofilm Decomposition under Real Engine Conditions for Identifying Lubricant Hazards. <i>ACS Applied Nano Materials</i> , 2021, 4, 220-228.	2.4	10
10	Nucleotide Interaction with a Chitosan Layer on a Silica Surface: Establishing the Mechanism at the Molecular Level. <i>Langmuir</i> , 2021, 37, 1511-1520.	1.6	12
11	Graphitic nitrogen in carbon catalysts is important for the reduction of nitrite as revealed by naturally abundant ^{15}N NMR spectroscopy. <i>Dalton Transactions</i> , 2021, 50, 6857-6866.	1.6	8
12	Festkörperringchemie. <i>Nachrichten Aus Der Chemie</i> , 2021, 69, 40-46.	0.0	0
13	Combining Electrocatalysts and Biobased Adsorbents for Sustainable Denitrification. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3658-3667.	3.2	9
14	Biocoatings and additives as promising candidates for ultralow friction systems. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 358-381.	2.1	8
15	$CeTi_2N$ oxynitride perovskite: paramagnetic ^{14}N MAS NMR without paramagnetic shifts. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 275-280.	0.3	4
16	Curcuminoid-Tailored Interfacial Free Energy of Hydrophobic Fibers for Enhanced Biological Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24493-24504.	4.0	11
17	Toward Sustainable Li-Ion Battery Recycling: Green Metal-Organic Framework as a Molecular Sieve for the Selective Separation of Cobalt and Nickel. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9770-9778.	3.2	22
18	Celebrating the 60th birthday of Richard Dronskowski. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 535-536.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Barium Titanium Oxynitride from Ammonia-Free Nitridation of Reduced BaTiO ₃ . <i>Inorganics</i> , 2021, 9, 62.	1.2	3
20	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. <i>Angewandte Chemie</i> , 2021, 133, 21065-21073.	1.6	0
21	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20897-20905.	7.2	34
22	¹⁴ N, ¹³ C, and ¹¹⁹ Sn solid-state NMR characterization of tin(II) carbodiimide Sn(NCN). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 745-750.	0.3	3
23	LignoPhot: Conversion of hydrolysis lignin into the photoactive hybrid lignin/Bi ₄ O ₅ Br ₂ /BiOBr composite for simultaneous dyes oxidation and Co ²⁺ and Ni ²⁺ recycling. <i>Chemosphere</i> , 2021, 279, 130538.	4.2	21
24	Structural Properties of NdTiO _{2+x} N _{1-x} and Its Application as Photoanode. <i>Inorganic Chemistry</i> , 2021, 60, 919-929.	1.9	7
25	Atomic-Level Understanding for the Enhanced Generation of Hydrogen Peroxide by the Introduction of an Aryl Amino Group in Polymeric Carbon Nitrides. <i>ACS Catalysis</i> , 2021, 11, 14087-14101.	5.5	33
26	Nanostructured core-shell metal borides oxides as highly efficient electrocatalysts for photoelectrochemical water oxidation. <i>Nanoscale</i> , 2020, 12, 3121-3128.	2.8	29
27	Exploring the Origins of Improved Photocurrent by Acidic Treatment for Quaternary Tantalum-Based Oxynitride Photoanodes on the Example of CaTaO ₂ N. <i>Journal of Physical Chemistry C</i> , 2020, 124, 152-160.	1.5	28
28	Converting cellulose nanocrystals into photocatalysts by functionalisation with titanium dioxide nanorods and gold nanocrystals. <i>RSC Advances</i> , 2020, 10, 37374-37381.	1.7	17
29	Tailored Hydrophobic/Hydrophilic Lignin Coatings on Mesoporous Silica for Sustainable Cobalt(II) Recycling. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16262-16273.	3.2	18
30	Dissecting complex nanoparticle heterostructures via multimodal data fusion with aberration-corrected STEM spectroscopy. <i>Ultramicroscopy</i> , 2020, 219, 113116.	0.8	13
31	Trapping of different stages of BaTiO ₃ reduction with LiH. <i>RSC Advances</i> , 2020, 10, 35356-35365.	1.7	5
32	Semi-transparent quaternary oxynitride photoanodes on GaN underlayers. <i>Chemical Communications</i> , 2020, 56, 13193-13196.	2.2	16
33	Metathetic synthesis of lead cyanamide as a p-type semiconductor. <i>Dalton Transactions</i> , 2020, 49, 14061-14067.	1.6	16
34	Electrochemical Denitrification and Oxidative Dehydrogenation of Ethylbenzene over N-doped Mesoporous Carbon: Atomic Level Understanding of Catalytic Activity by ¹⁵ N NMR Spectroscopy. <i>Chemistry of Materials</i> , 2020, 32, 7263-7273.	3.2	28
35	Glycine-functionalized silica as sorbent for cobalt(II) and nickel(II) recovery. <i>Applied Surface Science</i> , 2020, 530, 147299.	3.1	22
36	Valorisation of used lithium-ion batteries into nanostructured catalysts for green hydrogen from boranes. <i>Materials Advances</i> , 2020, 1, 2279-2285.	2.6	4

#	ARTICLE	IF	CITATIONS
37	<i>CelluPhot</i> : Hybrid Cellulose~Bismuth Oxybromide Membrane for Pollutant Removal. ACS Applied Materials & Interfaces, 2020, 12, 42891-42901.	4.0	29
38	SnCN ₂ : A Carbodiimide with an Innovative Approach for Energy Storage Systems and Phosphors in Modern LED Technology. ChemElectroChem, 2020, 7, 4550-4561.	1.7	13
39	Structural evolution of CrN nanocube electrocatalysts during nitrogen reduction reaction. Nanoscale, 2020, 12, 19276-19283.	2.8	24
40	Tailoring the Surface Properties of Bi ₂ O ₂ NCN by <i>in Situ</i> Activation for Augmented Photoelectrochemical Water Oxidation on WO ₃ and CuWO ₄ Heterojunction Photoanodes. Inorganic Chemistry, 2020, 59, 13589-13597.	1.9	7
41	NiO/Poly(4-alkylthiazole) Hybrid Interface for Promoting Spatial Charge Separation in Photoelectrochemical Water Reduction. ACS Applied Materials & Interfaces, 2020, 12, 29173-29180.	4.0	7
42	Elucidation of the Active Sites for Monodisperse FePt and Pt Nanocrystal Catalysts for p-WSe ₂ Photocathodes. Journal of Physical Chemistry C, 2020, 124, 11877-11885.	1.5	10
43	Chitosan Deposited onto Fumed Silica Surface as Sustainable Hybrid Biosorbent for Acid Orange 8 Dye Capture: Effect of Temperature in Adsorption Equilibrium and Kinetics. Journal of Physical Chemistry C, 2020, 124, 15312-15323.	1.5	25
44	Membrane-Filtered Kraft Lignin~Silica Hybrids as Bio-Based Sorbents for Cobalt(II) Ion Recycling. ACS Omega, 2020, 5, 10847-10856.	1.6	27
45	Lignin~Inorganic Interfaces: Chemistry and Applications from Adsorbents to Catalysts and Energy Storage Materials. ChemSusChem, 2020, 13, 4344-4355.	3.6	68
46	Increased photocurrent of CuWO ₄ photoanodes by modification with the oxide carbodiimide Sn ₂ O(NCN). Dalton Transactions, 2020, 49, 3450-3456.	1.6	14
47	Nanocomposite SAC solders: the effect of adding CoPd nanoparticles on the morphology and the shear strength of the Sn~3.0Ag~0.5Cu/Cu solder joints. Applied Nanoscience (Switzerland), 2020, 10, 4603-4607.	1.6	7
48	Surface modified TiO ₂ /reduced graphite oxide nanocomposite anodes for lithium ion batteries. Journal of Solid State Electrochemistry, 2020, 24, 1085-1093.	1.2	16
49	Lightweight magnesium nanocomposites: electrical conductivity of liquid magnesium doped by CoPd nanoparticles. Applied Nanoscience (Switzerland), 2019, 9, 1119-1125.	1.6	1
50	Bile acids adsorption by chitoan-fumed silica enterosorbent. Colloids and Interface Science Communications, 2019, 32, 100194.	2.0	18
51	M~ssbauerite as Iron-Only Layered Oxyhydroxide Catalyst for WO ₃ Photoanodes. Inorganic Chemistry, 2019, 58, 9655-9662.	1.9	9
52	Quaternary Core~Shell Oxynitride Nanowire Photoanode Containing a Hole-Extraction Gradient for Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 19077-19086.	4.0	35
53	Band Gap Tuning in Bismuth Oxide Carbodiimide Bi ₂ O ₂ NCN. Inorganic Chemistry, 2019, 58, 6467-6473.	1.9	28
54	Shedding light on decahedral nanoparticle catalysts. IUCrJ, 2019, 6, 344-345.	1.0	2

#	ARTICLE	IF	CITATIONS
55	SrTaO ₂ N Nanowire Photoanode Modified with a Ferrihydrite Hole-Storage Layer for Photoelectrochemical Water Oxidation. ACS Applied Nano Materials, 2018, 1, 869-876.	2.4	25
56	An MnNCN-Derived Electrocatalyst for CuWO ₄ Photoanodes. Langmuir, 2018, 34, 3845-3852.	1.6	36
57	Augmenting the Photocurrent of CuWO ₄ Photoanodes by Heat Treatment in the Nitrogen Atmosphere. Journal of Physical Chemistry C, 2018, 122, 19281-19288.	1.5	32
58	Carbodiimides as energy materials: which directions for a reasonable future?. Dalton Transactions, 2018, 47, 10827-10832.	1.6	51
59	Enhanced Photoelectrochemical Water Oxidation Efficiency of CuWO ₄ Photoanodes by Surface Modification with Ag ₂ NCN. Journal of Physical Chemistry C, 2017, 121, 26265-26274.	1.5	36
60	Enhancing Photoelectrochemical Water Oxidation Efficiency of WO ₃ /±Fe ₂ O ₃ Heterojunction Photoanodes by Surface Functionalization with CoPd Nanocrystals. European Journal of Inorganic Chemistry, 2017, 2017, 4267-4274.	1.0	23
61	Electrochemical oxidation of methanol and ethanol on two-dimensional self-assembled palladium nanocrystal arrays. Thin Solid Films, 2016, 615, 221-225.	0.8	23
62	Gold nanocrystal arrays as electrocatalysts for the oxidation of methanol and ethanol. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 821-825.	0.3	7
63	Fabrication of hierarchically ordered porous scheelite-related monoclinic BiVO ₄ nanotubes by electrochemical deposition. Functional Materials Letters, 2016, 09, 1650036.	0.7	11
64	LiSr ₂ EuGe ₃ : Light on the Europium Site Preferences. Journal of Physical Chemistry C, 2016, 120, 23121-23128.	1.5	2
65	Rapid synthesis of transition metal dichalcogenide few-layer thin crystals by the microwave-induced-plasma assisted method. Journal of Crystal Growth, 2016, 450, 140-147.	0.7	29
66	Complex physical properties of EuMgSi – a complementary study by neutron powder diffraction and ¹⁵¹ Eu Mössbauer spectroscopy. Journal of Materials Chemistry C, 2015, 3, 7203-7215.	2.7	10
67	Fabrication of Nanoporous Nickel Coatings by Template-Assisted Electrodeposition. ChemElectroChem, 2014, 1, 536-538.	1.7	10
68	Evidence of a Mixed Magnetic Phase in EuMgGe: A Semi-Metallic Zintl Compound with TiNiSi Structure Type. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1861-1867.	0.6	6
69	Crystal and Electronic Structure of the Lithium-Rich Silver Silicide Li ₁₂ Ag ₁ Si ₄ (x=0.15). Chemistry - A European Journal, 2013, 19, 16528-16531.	1.7	6
70	Field-Induced Inversion of the Magnetoresistive Effect in the Zintl Phase Eu ₅ Mg ₁₈ Si ₁₃ (x=2.2). Angewandte Chemie - International Edition, 2013, 52, 2122-2125.	7.2	10
71	Copper Silicides with the Highest Lithium Content: Li ₇ CuSi ₂ Containing the 16-Electron Group [CuSi ₂] ⁷⁺ and Li _{7.3} CuSi ₃ with Heterographene Nets [CuSi] ^{3.3+} . Angewandte Chemie - International Edition, 2012, 51, 11594-11596.	7.2	8
72	Spin-Glass Behavior and Electronic Structure of LiEu ₂ Si ₃ . Journal of Physical Chemistry C, 2012, 116, 1158-1164.	1.5	11

#	ARTICLE	IF	CITATIONS
73	Exploring the Borders of the Zintl-Klemm Concept: On the Isopunctual Phases $\text{Eu}_{5+x}\text{Mg}_{18-x}\text{Ge}_{13}$ ($x = 0.1$) and $\text{Eu}_8\text{Mg}_{16}\text{Ge}_{12}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 2020-2028.	0.6	11
74	Synthesis, Crystal, and Electronic Structure of the New Ternary Zintl Phase $\text{Eu}_{2-x}\text{Mg}_{2-y}\text{Ge}_3$ ($x = 0.1$; $y =$) <i>Tj ETQq0 0,0rgBT /Overlock 10</i>	0.6	7
75	A Coordination Cage with an Adaptable Cavity Size. <i>Journal of the American Chemical Society</i> , 2010, 132, 14004-14005.	6.6	184
76	Back to the Roots â€“ Dress Chemistry in Green. , 0, , .		0