

# Anna Klinkova

## List of Publications by Year in descending order

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45  
papers

3,768  
citations

304743

22  
h-index

276875

41  
g-index

48  
all docs

48  
docs citations

48  
times ranked

6699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of ammonia oxidation to dinitrogen, nitrite, and nitrate on $\text{Ni}(\text{OH})_2$ from first-principles simulations. <i>Electrochemical Science Advances</i> , 2022, 2, 2100142.	2.8	21
2	Interparticle gap geometry effects on chiroptical properties of plasmonic nanoparticle assemblies. <i>Nanotechnology</i> , 2022, 33, 125203.	2.6	1
3	Pathways of ammonia electrooxidation on nickel hydroxide anodes and an alternative route towards recycled fertilizers. <i>Green Chemistry</i> , 2022, 24, 1578-1589.	9.0	28
4	Hands-on Electrochemical Reduction of $\text{CO}_2$ : Understanding Electrochemical Principles through Active Learning. <i>Journal of Chemical Education</i> , 2022, 99, 1036-1043.	2.3	10
5	Designing Hot Spots in Plasmonic Assemblies through the Shape and Arrangement of Constituents. , 2022, , 301-350.		0
6	Low-Frequency Oscillations in Optical Measurements of Metal-Nanoparticle Vibrations. <i>Nano Letters</i> , 2022, 22, 5365-5371.	9.1	5
7	Numerical investigation of delamination onset and propagation in catalyst layers of PEM fuel cells under hydrothermal cycles. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11071-11083.	7.1	12
8	Multiphoton induced photoluminescence during time-resolved laser-induced incandescence experiments on silver and gold nanoparticles. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	8
9	Translating Tactics from Direct $\text{CO}_2$ Electroreduction to Electroorganic Coupling Reactions with $\text{CO}_2$ . <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100001.	5.8	13
10	Interplay of electrochemical and electrical effects induces structural transformations in electrocatalysts. <i>Nature Catalysis</i> , 2021, 4, 479-487.	34.4	68
11	Relative activity of metal cathodes towards electroorganic coupling of $\text{CO}_2$ with benzylic halides. <i>Electrochimica Acta</i> , 2021, 387, 138528.	5.2	10
12	Inductive effects in cobalt-doped nickel hydroxide electronic structure facilitating urea electrooxidation. <i>Chemosphere</i> , 2021, 279, 130550.	8.2	30
13	Shape control in seed-mediated synthesis of non-elongated Cu nanoparticles and their optical properties. <i>Nanoscale</i> , 2021, 13, 12505-12512.	5.6	7
14	Energy Transport in $\text{CsPbBr}_3$ Perovskite Nanocrystal Solids. <i>ACS Photonics</i> , 2020, 7, 154-164.	6.6	19
15	Sustainable at both ends: electrochemical $\text{CO}_2$ utilization paired with electrochemical treatment of nitrogenous waste. <i>Green Chemistry</i> , 2020, 22, 4456-4462.	9.0	55
16	Synthesis of Dimeric Molecules via Ag-Catalyzed Electrochemical Homocoupling of Organic Bromides Paired with Electrooxidation of Urea. <i>Journal of the Electrochemical Society</i> , 2020, 167, 155521.	2.9	6
17	On the Performance and Structural Stability of Cathodic Electrocatalysts with Complex Nanoscale Morphology. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2709-2709.	0.0	0
18	Coupling of Various Aqueous Anodic Reactions with Direct and Indirect Electroreduction of $\text{CO}_2$ in Organic Media. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2641-2641.	0.0	0

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19	Pd@CNT@SiO <sub>2</sub> nanoskein: composite structure design for formic acid dehydrogenation. <i>Chemical Communications</i> , 2019, 55, 10733-10736.	4.1	14
20	Reductive and Coordinative Effects of Hydrazine in Structural Transformations of Copper Hydroxide Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 1445.	4.1	14
21	Trapping a Photoelectron behind a Repulsive Coulomb Barrier in Solution. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5742-5747.	4.6	2
22	An aligned octahedral core in a nanocage: synthesis, plasmonic, and catalytic properties. <i>Nanoscale</i> , 2019, 11, 3138-3144.	5.6	12
23	Cu( <i>scp</i> )-nanoparticle-derived structures under CO <sub>2</sub> reduction conditions: a matter of shape. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5894-5897.	2.8	7
24	Electrochemical CO <sub>2</sub> Fixation to $\pm$ -Methylbenzyl Bromide in Divided Cells with Nonsacrificial Anodes and Aqueous Anolytes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19631-19639.	6.7	33
25	INVESTIGATING NON-INCANDESCENCE EMISSION DURING LASER INDUCED INCANDESCENCE EXPERIMENTS ON AEROSOLIZED PLASMONIC NANOPARTICLES. , 2019, , .		0
26	Self-Assembly and Surface Patterning of Polyferrocenylsilane@Functionalized Gold Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700554.	3.9	16
27	Enhanced electrocatalytic performance of palladium nanoparticles with high energy surfaces in formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11582-11585.	10.3	58
28	Linear assembly of patchy and non-patchy nanoparticles. <i>Faraday Discussions</i> , 2016, 191, 189-204.	3.2	26
29	Toward rational design of palladium nanoparticles with plasmonically enhanced catalytic performance. <i>RSC Advances</i> , 2016, 6, 47907-47911.	3.6	7
30	Large-Scale Synthesis of Metal Nanocrystals in Aqueous Suspensions. <i>Chemistry of Materials</i> , 2016, 28, 3196-3202.	6.7	37
31	Enhanced electrocatalytic CO <sub>2</sub> reduction via field-induced reagent concentration. <i>Nature</i> , 2016, 537, 382-386.	27.8	1,429
32	Surface patterning of nanoparticles with polymer patches. <i>Nature</i> , 2016, 538, 79-83.	27.8	257
33	Colloidal cholesteric liquid crystal in spherical confinement. <i>Nature Communications</i> , 2016, 7, 12520.	12.8	157
34	Rational Design of Efficient Palladium Catalysts for Electroreduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , 2016, 6, 8115-8120.	11.2	277
35	Shape-Dependent Interactions of Palladium Nanocrystals with Hydrogen. <i>Small</i> , 2016, 12, 2450-2458.	10.0	34
36	Domino [4 + 1]-annulation of $\hat{1},\hat{2}$ -unsaturated $\hat{1}$ -amino esters with Rh( <i>scp</i> )@carbenoids @ a new approach towards multi-functionalized N-aryl pyrrolidines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2640-2651.	2.8	22

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37	Circular Dichroism of Chiral Nematic Films of Cellulose Nanocrystals Loaded with Plasmonic Nanoparticles. ACS Nano, 2015, 9, 10377-10385.	14.6	111
38	Self-assembled plasmonic nanostructures. Chemical Society Reviews, 2014, 43, 3976.	38.1	276
39	Structural and Optical Properties of Self-Assembled Chains of Plasmonic Nanocubes. Nano Letters, 2014, 14, 6314-6321.	9.1	92
40	Shaken, and stirred: oscillatory segmented flow for controlled size-evolution of colloidal nanomaterials. Lab on A Chip, 2014, 14, 2309-2318.	6.0	34
41	Structural Transitions in Nanoparticle Assemblies Governed by Competing Nanoscale Forces. Journal of the American Chemical Society, 2013, 135, 10262-10265.	13.7	100
42	Colloidal analogs of molecular chain stoppers. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18775-18779.	7.1	67
43	Suppression of the Plasmon Resonance in Au/CdS Colloidal Nanocomposites. Nano Letters, 2011, 11, 1792-1799.	9.1	173
44	The Role of Hole Localization in Sacrificial Hydrogen Production by Semiconductorâ€“Metal Heterostructured Nanocrystals. Nano Letters, 2011, 11, 2919-2926.	9.1	187
45	Heteroepitaxial Growth of Colloidal Nanocrystals onto Substrate Films via Hot-Injection Routes. ACS Nano, 2011, 5, 4953-4964.	14.6	32