

# Aleksey Ruditskiy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2944024/publications.pdf>

Version: 2024-02-01

20  
papers

3,881  
citations

361413

20  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

6382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. <i>Chemical Reviews</i> , 2016, 116, 10414-10472.	47.7	1,339
2	25th Anniversary Article: Galvanic Replacement: A Simple and Versatile Route to Hollow Nanostructures with Tunable and Well-Controlled Properties. <i>Advanced Materials</i> , 2013, 25, 6313-6333.	21.0	856
3	Pd@Pt Core-Shell Concave Decahedra: A Class of Catalysts for the Oxygen Reduction Reaction with Enhanced Activity and Durability. <i>Journal of the American Chemical Society</i> , 2015, 137, 15036-15042.	13.7	296
4	Oxidative Etching and Its Role in Manipulating the Nucleation and Growth of Noble-Metal Nanocrystals. <i>Chemistry of Materials</i> , 2014, 26, 22-33.	6.7	203
5	Synthesis and Characterization of Pd@Pt-Ni Core-Shell Octahedra with High Activity toward Oxygen Reduction. <i>ACS Nano</i> , 2014, 8, 10363-10371.	14.6	165
6	Toward continuous and scalable production of colloidal nanocrystals by switching from batch to droplet reactors. <i>Chemical Society Reviews</i> , 2015, 44, 5806-5820.	38.1	141
7	Penta-twinned Copper Nanorods: Facile Synthesis via Seed-Mediated Growth and Their Tunable Plasmonic Properties. <i>Advanced Functional Materials</i> , 2016, 26, 1209-1216.	14.9	107
8	Toward the Synthesis of Sub-15 nm Ag Nanocubes with Sharp Corners and Edges: The Roles of Heterogeneous Nucleation and Surface Capping. <i>Journal of the American Chemical Society</i> , 2016, 138, 3161-3167.	13.7	100
9	Shape-Controlled Metal Nanocrystals for Heterogeneous Catalysis. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 327-348.	6.8	96
10	Polyol Syntheses of Palladium Decahedra and Icosahedra as Pure Samples by Maneuvering the Reaction Kinetics with Additives. <i>ACS Nano</i> , 2014, 8, 7041-7050.	14.6	95
11	Assembly Behavior of Iron Oxide-Capped Janus Particles in a Magnetic Field. <i>Langmuir</i> , 2012, 28, 1149-1156.	3.5	87
12	One-Pot Synthesis of Penta-twinned Palladium Nanowires and Their Enhanced Electrocatalytic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31203-31212.	8.0	70
13	Rational design and synthesis of noble-metal nanoframes for catalytic and photonic applications. <i>National Science Review</i> , 2016, 3, 520-533.	9.5	63
14	The Science and Art of Carving Metal Nanocrystals. <i>ACS Nano</i> , 2017, 11, 23-27.	14.6	54
15	Behaviour of iron oxide (Fe <sub>3</sub> O <sub>4</sub> ) Janus particles in overlapping external AC electric and static magnetic fields. <i>Soft Matter</i> , 2013, 9, 9174.	2.7	48
16	A Droplet-Reactor System Capable of Automation for the Continuous and Scalable Production of Noble-Metal Nanocrystals. <i>Nano Letters</i> , 2018, 18, 3879-3884.	9.1	48
17	Shape-controlled metal nanocrystals for catalytic applications. <i>MRS Bulletin</i> , 2014, 39, 727-737.	3.5	41
18	Five-Fold Twinned Pd Nanorods and Their Use as Templates for the Synthesis of Bimetallic or Hollow Nanostructures. <i>ChemNanoMat</i> , 2015, 1, 246-252.	2.8	30

#	ARTICLE	IF	CITATIONS
19	Oxidative Etching of Pd Decahedral Nanocrystals with a Penta-twinned Structure and Its Impact on Their Growth Behavior. <i>Chemistry of Materials</i> , 2017, 29, 5394-5400.	6.7	22
20	Toward a Quantitative Understanding of the Sulfate-Mediated Synthesis of Pd Decahedral Nanocrystals with High Conversion and Morphology Yields. <i>Chemistry of Materials</i> , 2016, 28, 8800-8806.	6.7	20