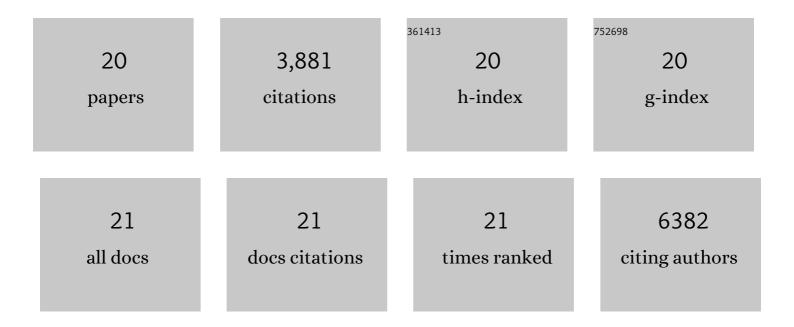
Aleksey Ruditskiy

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Droplet-Reactor System Capable of Automation for the Continuous and Scalable Production of Noble-Metal Nanocrystals. Nano Letters, 2018, 18, 3879-3884.	9.1	48
2	The Science and Art of Carving Metal Nanocrystals. ACS Nano, 2017, 11, 23-27.	14.6	54
3	Oxidative Etching of Pd Decahedral Nanocrystals with a Penta-twinned Structure and Its Impact on Their Growth Behavior. Chemistry of Materials, 2017, 29, 5394-5400.	6.7	22
4	One-Pot Synthesis of Penta-twinned Palladium Nanowires and Their Enhanced Electrocatalytic Properties. ACS Applied Materials & amp; Interfaces, 2017, 9, 31203-31212.	8.0	70
5	Pentaâ€Twinned Copper Nanorods: Facile Synthesis via Seedâ€Mediated Growth and Their Tunable Plasmonic Properties. Advanced Functional Materials, 2016, 26, 1209-1216.	14.9	107
6	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. Chemical Reviews, 2016, 116, 10414-10472.	47.7	1,339
7	Shape-Controlled Metal Nanocrystals for Heterogeneous Catalysis. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 327-348.	6.8	96
8	Toward a Quantitative Understanding of the Sulfate-Mediated Synthesis of Pd Decahedral Nanocrystals with High Conversion and Morphology Yields. Chemistry of Materials, 2016, 28, 8800-8806.	6.7	20
9	Rational design and synthesis of noble-metal nanoframes for catalytic and photonic applications. National Science Review, 2016, 3, 520-533.	9.5	63
10	Toward the Synthesis of Sub-15 nm Ag Nanocubes with Sharp Corners and Edges: The Roles of Heterogeneous Nucleation and Surface Capping. Journal of the American Chemical Society, 2016, 138, 3161-3167.	13.7	100
11	Fiveâ€Fold Twinned Pd Nanorods and Their Use as Templates for the Synthesis of Bimetallic or Hollow Nanostructures. ChemNanoMat, 2015, 1, 246-252.	2.8	30
12	Pd@Pt Core–Shell Concave Decahedra: A Class of Catalysts for the Oxygen Reduction Reaction with Enhanced Activity and Durability. Journal of the American Chemical Society, 2015, 137, 15036-15042.	13.7	296
13	Toward continuous and scalable production of colloidal nanocrystals by switching from batch to droplet reactors. Chemical Society Reviews, 2015, 44, 5806-5820.	38.1	141
14	Shape-controlled metal nanocrystals for catalytic applications. MRS Bulletin, 2014, 39, 727-737.	3.5	41
15	Oxidative Etching and Its Role in Manipulating the Nucleation and Growth of Noble-Metal Nanocrystals. Chemistry of Materials, 2014, 26, 22-33.	6.7	203
16	Polyol Syntheses of Palladium Decahedra and Icosahedra as Pure Samples by Maneuvering the Reaction Kinetics with Additives. ACS Nano, 2014, 8, 7041-7050.	14.6	95
17	Synthesis and Characterization of Pd@Pt–Ni Core–Shell Octahedra with High Activity toward Oxygen Reduction. ACS Nano, 2014, 8, 10363-10371.	14.6	165
18	25th Anniversary Article: Galvanic Replacement: A Simple and Versatile Route to Hollow Nanostructures with Tunable and Wellâ€Controlled Properties. Advanced Materials, 2013, 25, 6313-6333.	21.0	856

#	Article	IF	CITATIONS
19	Behaviour of iron oxide (Fe3O4) Janus particles in overlapping external AC electric and static magnetic fields. Soft Matter, 2013, 9, 9174.	2.7	48
20	Assembly Behavior of Iron Oxide-Capped Janus Particles in a Magnetic Field. Langmuir, 2012, 28, 1149-1156.	3.5	87