

Xiaoyu Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,069
citations

623734

14
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Single-Atomic Ni ₄ and Fe ₄ Sites Constructing Janus Hollow Graphene for Selective Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2020, 32, e2003134.	21.0	376
2	One-Pot Synthesis of Freestanding Porous Palladium Nanosheets as Highly Efficient Electrocatalysts for Formic Acid Oxidation. <i>Advanced Functional Materials</i> , 2017, 27, 1603852.	14.9	132
3	Isolated Fe Single Atomic Sites Anchored on Highly Steady Hollow Graphene Nanospheres as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Advanced Science</i> , 2019, 6, 1801103.	11.2	87
4	Highly simple and rapid synthesis of ultrathin gold nanowires with (111)-dominant facets and enhanced electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17682-17687.	10.3	61
5	A General Strategy for the Synthesis of PtM (M=Fe, Co, Ni) Decorated Three-Dimensional Hollow Graphene Nanospheres for Efficient Methanol Electrooxidation. <i>Chemistry - A European Journal</i> , 2018, 24, 1246-1252.	3.3	58
6	Sub-5 nm palladium nanoparticles <i>in situ</i> embedded in N-doped carbon nanoframes: facile synthesis, excellent sinter resistance and electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26243-26249.	10.3	40
7	Shape Control of Monodispersed Sub-5 nm Pd Tetrahedrons and Lacinate Pd Nanourchins by Maneuvering the Dispersed State of Additives for Boosting ORR Performance. <i>Small</i> , 2020, 16, e1906026.	10.0	36
8	3D Graphene Hollow Nanospheres@Palladium Networks as an Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500321.	3.7	35
9	Cation-Deficiency-Dependent CO ₂ Electroreduction over Copper-Based Ruddlesden-Popper Perovskite Oxides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	33
10	Atomic Crystal Facet Engineering of Core-Shell Nanotetrahedrons Restricted under Sub-10 Nanometer Region. <i>ACS Nano</i> , 2021, 15, 5178-5188.	14.6	27
11	Breaking the lattice match of Pd on Au(111) nanowires: manipulating the island and epitaxial growth pathways to boost the oxygen reduction reactivity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19300-19308.	10.3	25
12	Coupling the Atomically Dispersed Fe ₃ Sites with Sub-5 nm Pd Nanocrystals Confined in N-Doped Carbon Nanobelts to Boost the Oxygen Reduction for Microbial Fuel Cells. <i>Advanced Functional Materials</i> , 2022, 32, 2107683.	14.9	24
13	Achieving Highly Electrocatalytic Performance by Constructing Holey Reduced Graphene Oxide Hollow Nanospheres Sandwiched by Interior and Exterior Platinum Nanoparticles. <i>ACS Applied Energy Materials</i> , 2018, 1, 2341-2349.	5.1	19
14	Sacrificial Template-Based Synthesis of Unified Hollow Porous Palladium Nanospheres for Formic Acid Electro-Oxidation. <i>Catalysts</i> , 2015, 5, 992-1002.	3.5	17
15	Facile synthesis of PdFe alloy tetrahedrons for boosting electrocatalytic properties towards formic acid oxidation. <i>Nanoscale</i> , 2019, 11, 18015-18020.	5.6	14
16	Water-based synthesis and sensing application of polyallylamine functionalized platinum nanodendrite assemblies. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14874.	10.3	11
17	High-density growth of ultrafine PdIr nanowires on graphene: reducing the graphene wrinkles and serving as efficient bifunctional electrocatalysts for water splitting. <i>Nanoscale</i> , 2019, 11, 14561-14568.	5.6	11
18	Modulating Hydroxyl-Rich Interfaces on Nickel-Copper Double Hydroxide Nanotyres to Pre-activate Alkaline Ammonia Oxidation Reactivity. <i>Chemistry - A European Journal</i> , 2021, 27, 4869-4875.	3.3	11

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19	Highly Branched Palladium Nanodandelions: Simple, Fast, and Green Fabrication with Superior Oxygen Reduction Property. <i>Chemistry - A European Journal</i> , 2019, 25, 4920-4926.	3.3	9
20	Pd-Au Asymmetric Nanopyramids: Lateral vs Vertical Growth of Au on Pd Decahedral Seeds. <i>Chemistry of Materials</i> , 2021, 33, 5391-5400.	6.7	9
21	Coupling isolated Ni single atoms with sub-10 nm Pd nanocrystals embedded in porous carbon frameworks to boost oxygen electrocatalysis for Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6086-6095.	10.3	9
22	Polyamine-assisted hydrothermal synthesis of bimetallic Pd ₁ Cu ₃ multipods and their high catalytic ability in 4-nitrophenol reduction. <i>RSC Advances</i> , 2014, 4, 57144-57147.	3.6	8
23	<i>In situ</i> immobilization of isolated Pd single-atoms on graphene by employing amino-functionalized rigid molecules and their prominent catalytic performance. <i>Catalysis Science and Technology</i> , 2020, 10, 450-457.	4.1	6
24	Atom Ratio-Conducted Tailoring of PdAu Bimetallic Nanocrystals with Distinctive Shapes and Dimensions for Boosting the ORR Performance. <i>Chemistry - A European Journal</i> , 2020, 26, 4480-4488.	3.3	6
25	Hollow platinum tetrapods: using a combination of {111} facets, surface concave topology, and ultrathin walls to boost their oxygen reduction reactivity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11537-11544.	10.3	4
26	Pd Growth Patterns: Shape Control of Monodispersed Sub-5 nm Pd Tetrahedrons and Lacinate Pd Nanourchins by Maneuvering the Dispersed State of Additives for Boosting ORR Performance (Small) <i>Tj ETQq0 0 0 1987 /Overclock 10 Tf</i>		
27	Cation-Deficiency-Dependent CO ₂ Electroreduction over Copper-Based Ruddlesden-Popper Perovskite Oxides. <i>Angewandte Chemie</i> , 2022, 134, e202111670.	2.0	0