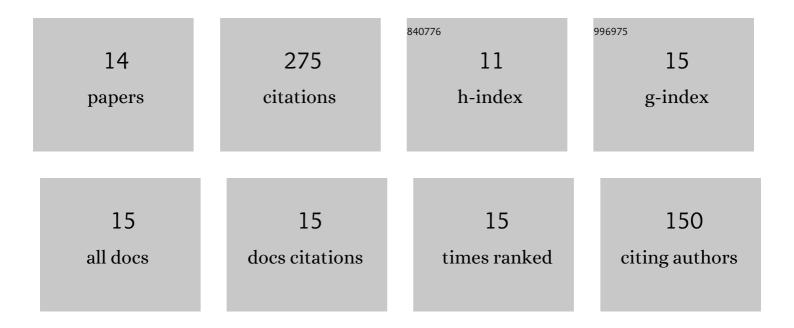
Yan Che

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recent Advancements and Future Prospects of Noble Metal-Based Heterogeneous Nanocatalysts for Oxygen Reduction and Hydrogen Evolution Reactions. Applied Sciences (Switzerland), 2020, 10, 7708.	2.5	34
2	Heterogeneous NiO ₂ -to-Pd Epitaxial Structure Performs Outstanding Oxygen Reduction Reaction Activity. Journal of Physical Chemistry C, 2020, 124, 2295-2306.	3.1	28
3	Programming ORR Activity of Ni/NiO <i>_x</i> @Pd Electrocatalysts via Controlling Depth of Surface-Decorated Atomic Pt Clusters. ACS Omega, 2018, 3, 8733-8744.	3.5	27
4	A highly mismatched NiO ₂ -to-Pd hetero-structure as an efficient nanocatalyst for the hydrogen evolution reaction. Sustainable Energy and Fuels, 2020, 4, 2541-2550.	4.9	24
5	Ir-oxide mediated surface restructure and corresponding impacts on durability of bimetallic NiOx@Pd nanocatalysts in oxygen reduction reaction. Journal of Alloys and Compounds, 2020, 844, 156160.	5.5	21
6	Effects of Pt metal loading on the atomic restructure and oxygen reduction reaction performance of Pt-cluster decorated Cu@Pd electrocatalysts. Sustainable Energy and Fuels, 2019, 3, 1668-1681.	4.9	19
7	Sub-nanometer Pt cluster decoration enhances the oxygen reduction reaction performances of NiO _x supported Pd nano-islands. Sustainable Energy and Fuels, 2020, 4, 809-823.	4.9	19
8	Submillisecond Laser Annealing Induced Surface and Subsurface Restructuring of Cu–Ni–Pd Trimetallic Nanocatalyst Promotes Thermal CO ₂ Reduction. ACS Applied Energy Materials, 2021, 4, 14043-14058.	5.1	19
9	Local synergetic collaboration between Pd and local tetrahedral symmetric Ni oxide enables ultra-high-performance CO ₂ thermal methanation. Journal of Materials Chemistry A, 2020, 8, 12744-12756.	10.3	18
10	Heterogeneous assembly of Pt-clusters on hierarchically structured CoO _x @SnPd ₂ @SnO ₂ quaternary nanocatalysts manifesting oxygen reduction reaction performance. New Journal of Chemistry, 2020, 44, 9712-9724.	2.8	16
11	H2 Reduction Annealing Induced Phase Transition and Improvements on Redox Durability of Pt Cluster-Decorated Cu@Pd Electrocatalysts in Oxygen Reduction Reaction. ACS Omega, 2019, 4, 971-982.	3.5	15
12	NiO _{<i>x</i>} -supported PtRh nanoalloy enables high-performance hydrogen evolution reaction under universal pH conditions. Sustainable Energy and Fuels, 2021, 5, 5490-5504.	4.9	14
13	Bifunctional Pt–SnO _x nanorods for enhanced oxygen reduction and hydrogen evolution reactions. Sustainable Energy and Fuels, 2021, 5, 2960-2971.	4.9	10
14	Atomic Pt-Clusters Decoration Triggers a High-Rate Performance on Ni@Pd Bimetallic Nanocatalyst for Hydrogen Evolution Reaction in Both Alkaline and Acidic Medium. Applied Sciences (Switzerland), 2020, 10, 5155.	2.5	8