

Supporting Information Available

Rapidly synthesis of hollow PtPdCu trimetallic octahedrons at room temperature for oxygen reduction reaction in acid media

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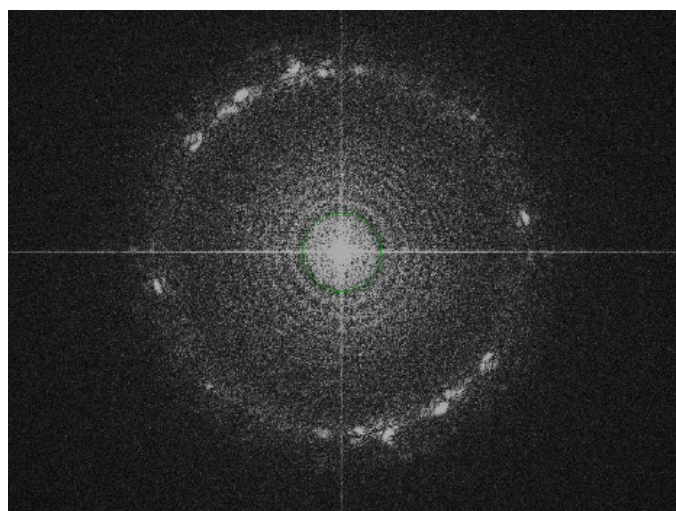


Figure S1. The SAED pattern of PtPdCu HTOs.

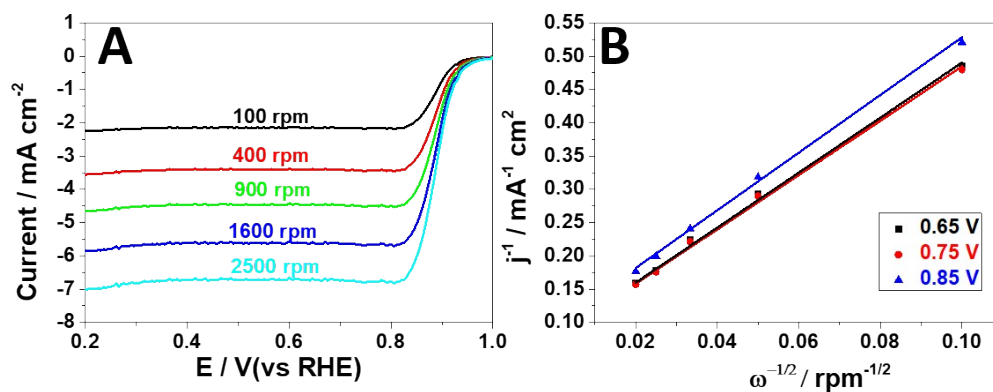


Figure S2. (A) LSV curves of PtPdCu HTOs at various rotation rates. (B) Koutecky-Levich plots at different potentials.

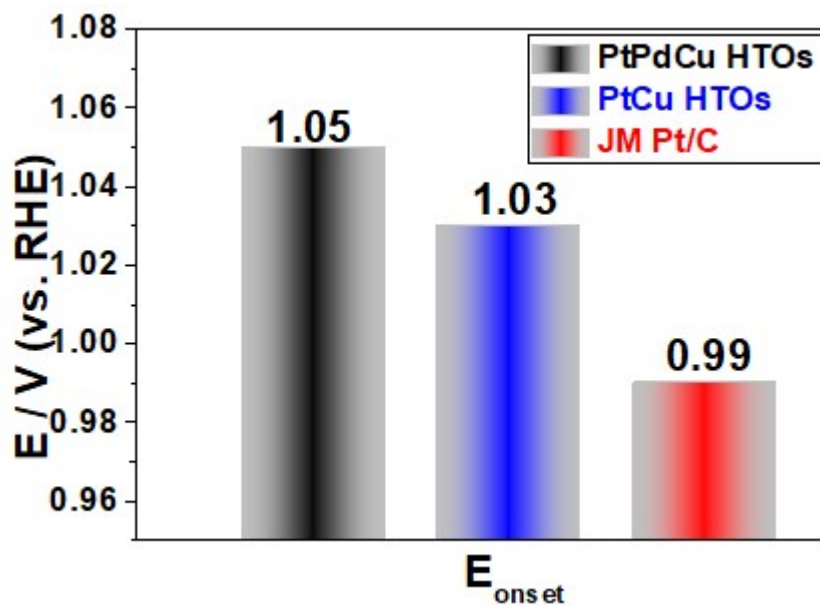


Figure S3. E_{onset} of the catalysts

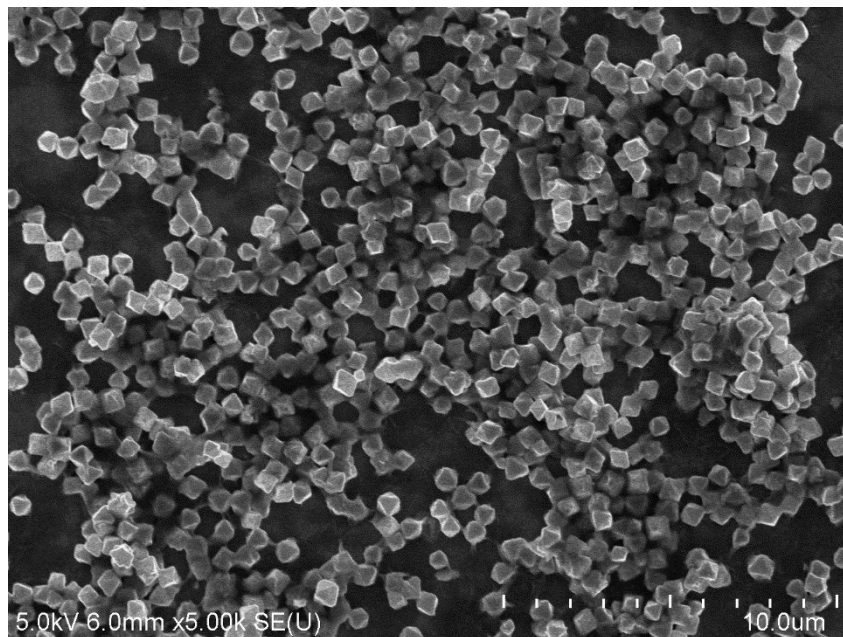


Figure S4. SEM image of PtPdCu HTOs after accelerated durability test

Table S1 Activity comparison of Pt-based catalysts toward ORR

No	Catalysts	Mass Activity (A mg ⁻¹)	Specific Activity (mA cm ⁻²)	Electrolyte	Ref.
1	PtPdCu HTOs	0.51	0.82	0.1 M HClO ₄	This work
2	Pt-Ta ₂ O ₅ /CNT	0.23	5.46	0.1 M HClO ₄	Chem. Sci., 2019, 10, 5589
3	Pd@Pt Core-Shell Nanodots Arrays	0.2	0.24	0.1 M HClO ₄	ACS Appl. Nano Mater. 2019, 2, 3695
4	C-FeNiPt/Pt-skin NWs	0.47	2.02	0.1 M HClO ₄	small 2015, 11, 3545
5	Pt nanoclusters	0.198	0.216	0.1 M HClO ₄	Electrochimica Acta, 2019, 297, 539
6	Stable platinum nanoclusters on genomic DNA-graphene oxide	0.317	0.23	0.1 M HClO ₄	Nat Commun. 2013, 4, 2221
7	Pt Nanocluster Decorated Pd Hierarchical Structures	0.11	0.18	0.1 M HClO ₄	ACS Appl. Mater. Interfaces, 2015, 7, 17162
8	NiGLAD{Pt-1500}/GC	0.204	0.31	0.1 M HClO ₄	Electrochimica Acta 176

					(2015) 620–626
9	Pt/TiC	0.4	/	0.1 M HClO4	Catalysts 2015, 5, 966- 980
10	Cu-Pt Core-Shell Nanoparticles	0.26	0.49	0.1 M HClO4	J. Electrochem. Soc. 2012, 7, 234-241