Supporting Information

Coordination environment effect of single-atom catalysts on their nitrogen reduction reaction performance

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Table S1. The calculated magnetic moment of different configurations.

configuration	O_4	NO ₃	N_2O_2	N ₃ O	N_4	N ₃ C	N_2C_2	NC ₃	C_4	C ₃ O	C_2O_2	C_1O_3
Magnetic	2.92	3.01	3.14	1.57	1.92	2.22	2.26	2.68	2.24	2.45	1.98	1.60
moment (µB)		0.01	0.11	1.07			0				1.50	1.00



Fig. S1. PDOS of Fe-3d in Fe-N_{4-x} C_x -C, the Fermi level is denoted by the vertical dash line and set at 0 eV.



Fig. S2. PDOS of Fe-3d in $Fe-N_xO_{4-x}-C$, the Fermi level is denoted by the vertical dash line and set at 0 eV.



Fig. S3. PDOS of Fe-3d in Fe-C_{4-x}O_x-C, the Fermi level is denoted by the vertical dash line and set at 0 eV.