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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Exploring the oxygen electrode bi-functional activity of Ni ^{II} -N ^{II} -C-doped graphene systems with N, C co-ordination and OH ligand effects. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20453-20462.	10.3	49
2	Evaluating the catalytic activity of transition metal dimers for the oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 54-62.	9.4	41
3	Single-atom manganese and nitrogen co-doped graphene as low-cost catalysts for the efficient CO oxidation at room temperature. <i>Applied Surface Science</i> , 2021, 536, 147809.	6.1	31
4	Theoretical screening of di-metal atom (M=Fe, Co, Ni, Cu, Zn) electrocatalysts for ammonia synthesis. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31881-31891.	7.1	28
5	Graphene foam α -polymer based electronic skin for flexible tactile sensor. <i>Sensors and Actuators A: Physical</i> , 2021, 327, 112697.	4.1	26
6	Catalytic oxidation mechanisms of carbon monoxide over single- and double-vacancy Mn-embedded graphene. <i>New Journal of Chemistry</i> , 2020, 44, 9402-9410.	2.8	22
7	Theoretical study on the adsorption and predictive catalysis of MnN ₄ embedded in carbon substrate for gas molecules. <i>Applied Surface Science</i> , 2020, 525, 146480.	6.1	22
8	Transition metal-N _x doped graphene as an efficient oxygen reduction reaction catalyst: A theoretical perspective. <i>Computational and Theoretical Chemistry</i> , 2020, 1187, 112945.	2.5	15
9	Density functional study on the CO oxidation reaction mechanism on MnN ₂ -doped graphene. <i>RSC Advances</i> , 2020, 10, 27856-27863.	3.6	13
10	Theoretical Calculation of Different Reaction Mechanisms for CO Oxidation on MnN ₃ -Doped Graphene. <i>ACS Omega</i> , 2020, 5, 21203-21210.	3.5	10
11	Theoretical investigation on catalytic mechanisms of oxygen reduction and carbon monoxide oxidation on the MnN _x system. <i>New Journal of Chemistry</i> , 2020, 44, 15724-15732.	2.8	9
12	Atomic level N-coordinated Fe dual-metal embedded in graphene: An efficient double atoms catalyst for CO oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126575.	4.7	7
13	Exploring the catalytic mechanisms of non-noble VIII B metal dimer embedded in graphene toward CO oxidation by density functional theory analysis. <i>Applied Surface Science</i> , 2021, 556, 149780.	6.1	6
14	Theoretical study on iron and nitrogen co-doped graphene catalyzes CO oxidation. <i>Molecular Catalysis</i> , 2021, 509, 111624.	2.0	0