

Kavita Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

1,058
citations

1039406

9
h-index

1372195

10
g-index

10
all docs

10
docs citations

10
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical transformation of Fe-N-C catalysts into iron oxides in alkaline medium and its impact on the oxygen reduction reaction activity. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121366.	10.8	22
2	Identification of durable and non-durable Fe _{Nx} sites in Fe-N-C materials for proton exchange membrane fuel cells. <i>Nature Catalysis</i> , 2021, 4, 10-19.	16.1	368
3	Fe-N-C Electrocatalysts™ Durability: Effects of Single Atoms™ Mobility and Clustering. <i>ACS Catalysis</i> , 2021, 11, 484-494.	5.5	53
4	Oxygen reduction reaction mechanism and kinetics on M-N _x C _y and M@N-C active sites present in model M-N-C catalysts under alkaline and acidic conditions. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 45-56.	1.2	59
5	On the Influence of Oxygen on the Degradation of Fe-N-C Catalysts. <i>Angewandte Chemie</i> , 2020, 132, 3261-3269.	1.6	133
6	On the Influence of Oxygen on the Degradation of Fe-N-C Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3235-3243.	7.2	160
7	Preparation and Electrochemical Properties of NiCo ₂ O ₄ Nanospinel Supported on Graphene Derivatives as Earth-Abundant Oxygen Bifunctional Catalysts. <i>ChemPhysChem</i> , 2018, 19, 319-326.	1.0	5
8	Metal Loading Effect on the Activity of Co ₃ O ₄ /N-Doped Reduced Graphene Oxide Nanocomposites as Bifunctional Oxygen Reduction/Evolution Catalysts. <i>ChemElectroChem</i> , 2018, 5, 483-493.	1.7	20
9	Physical and Chemical Considerations for Improving Catalytic Activity and Stability of Non-Precious-Metal Oxygen Reduction Reaction Catalysts. <i>ACS Catalysis</i> , 2018, 8, 11264-11276.	5.5	101
10	Effect of the Oxide-Carbon Heterointerface on the Activity of Co ₃ O ₄ /NRGO Nanocomposites toward ORR and OER. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7949-7958.	1.5	137