

# Janarthanan Ponraj

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Sensitive electrochemical detection of $\alpha$ -cysteine based on a highly stable Pd@Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) nanocomposite modified glassy carbon electrode. Analytical Methods, 2019, 11, 3851-3856.	2.7	102
2	Synthesis and growth mechanism of bamboo like N-doped CNT/Graphene nanostructure incorporated with hybrid metal nanoparticles for overall water splitting. Carbon, 2020, 170, 452-463.	10.3	59
3	Effect of Sheet Size and Atomic Structure on the Antibacterial Activity of Nb-MXene Nanosheets. ACS Applied Nano Materials, 2020, 3, 11372-11382.	5.0	56
4	Highly active and stable bi-functional NiCoO <sub>2</sub> catalyst for oxygen reduction and oxygen evolution reactions in alkaline medium. International Journal of Hydrogen Energy, 2019, 44, 16603-16614.	7.1	45
5	Development of Co/Co <sub>9</sub> S <sub>8</sub> metallic nanowire anchored on N-doped CNTs through the pyrolysis of melamine for overall water splitting. Electrochimica Acta, 2021, 368, 137642.	5.2	40
6	Single Step Synthesis of Porous NiCoO <sub>2</sub> for Effective Electrooxidation of Glycerol in Alkaline Medium. Journal of the Electrochemical Society, 2018, 165, J3301-J3309.	2.9	36
7	Effect of Ni incorporation in cobalt oxide lattice on carbon formation during ethanol decomposition reaction. Applied Catalysis B: Environmental, 2019, 254, 300-311.	20.2	30
8	Preparation of Mesoporous/Microporous MnCo <sub>2</sub> O <sub>4</sub> and Nanocubic MnCr <sub>2</sub> O <sub>4</sub> Using a Single Step Solution Combustion Synthesis for Bifunction Oxygen Electrocatalysis. Journal of the Electrochemical Society, 2020, 167, 054507.	2.9	28
9	Probing the fibrillation of lysozyme by nanoscale-infrared spectroscopy. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1481-1490.	3.5	22
10	Enhancing the electrocatalytic properties of LaMnO <sub>3</sub> by tuning surface oxygen deficiency through salt assisted combustion synthesis. Catalysis Today, 2021, 375, 484-493.	4.4	19
11	Natural Alkaloid Compounds as Inhibitors for Alpha-Synuclein Seeded Fibril Formation and Toxicity. Molecules, 2021, 26, 3736.	3.8	19
12	RT-QuIC Using C-Terminally Truncated $\alpha$ -Synuclein Forms Detects Differences in Seeding Propensity of Different Brain Regions from Synucleinopathies. Biomolecules, 2021, 11, 820.	4.0	14
13	Observation of Structural Phase Transitions and PbI <sub>2</sub> Formation During the Degradation of Triple-Cation Double-Halide Perovskites. ACS Applied Energy Materials, 2020, 3, 6302-6309.	5.1	11
14	Oxidation of Au/Ag films by oxygen plasma: phase separation and generation of nanoporosity. Beilstein Journal of Nanotechnology, 2020, 11, 1608-1614.	2.8	2