

# T Selvaraju

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6220640/publications.pdf>

Version: 2024-02-01

27  
papers

605  
citations

567281

15  
h-index

610901

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

808  
citing authors

#	ARTICLE	IF	CITATIONS
1	Title is missing!. Journal of Applied Electrochemistry, 2003, 33, 759-762.	2.9	54
2	Unzipped catalytic activity of copper in realizing bimetallic Ag@Cu nanowires as a better amperometric H <sub>2</sub> O <sub>2</sub> sensor. Electrochimica Acta, 2013, 112, 648-654.	5.2	54
3	Green synthesis of self assembled silver nanowire decorated reduced graphene oxide for efficient nitroarene reduction. RSC Advances, 2014, 4, 24518-24525.	3.6	44
4	Unusual attempt to direct the growth of bimetallic Ag@Pt nanorods on electrochemically reduced graphene oxide nanosheets by electroless exchange of Cu by Pt for an efficient alcohol oxidation. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	43
5	Hierarchical electroless Pt deposition at Au decorated reduced graphene oxide via a galvanic exchanged process: an electrocatalytic nanocomposite with enhanced mass activity for methanol and ethanol oxidation. Journal of Materials Chemistry A, 2015, 3, 18010-18018.	10.3	41
6	Hexacyanoferrate-Complex-Derived NiFe <sub>2</sub> O <sub>4</sub> /CoFe <sub>2</sub> O <sub>4</sub> Heterostructure@MWCNTs for an Efficient Oxygen Evolution Reaction. Energy & Fuels, 2021, 35, 5372-5382.	5.1	36
7	In situ integrated 2D reduced graphene oxide nanosheets with MoSSe for hydrogen evolution reaction and supercapacitor application. Applied Surface Science Advances, 2021, 3, 100054.	6.8	31
8	Electrocatalytic reduction of hydrogen peroxide at nanostructured copper modified electrode. Journal of Applied Electrochemistry, 2009, 39, 321-327.	2.9	29
9	Comparative studies on the electrocatalytic hydrogen evolution property of Cu <sub>2</sub> SnS <sub>3</sub> and Cu <sub>4</sub> SnS <sub>4</sub> ternary alloys prepared by solvothermal method. International Journal of Hydrogen Energy, 2018, 43, 3967-3975.	7.1	29
10	Exploring the corrosion inhibition of magnesium by coatings. Progress in Organic Coatings, 2019, 129, 32-42.	3.9	28
11	Layered Porous Graphitic Carbon Nitride Stabilized Effective Co <sub>2</sub> SnO <sub>4</sub> Inverse Spinel as a Bifunctional Electrocatalyst for Overall Water Splitting. Langmuir, 2022, 38, 7833-7845.	3.5	28
12	Exploring the synergistic effect of Ni <sub>x</sub> Sn <sub>2x</sub> S <sub>4x</sub> thiospinel with MWCNTs for enhanced performance in dye-sensitized solar cells, the hydrogen evolution reaction, and supercapacitors. Dalton Transactions, 2020, 49, 5336-5351.	3.3	27
13	Simple and Robust Green Synthesis of Au NPs on Reduced Graphene Oxide for the Simultaneous Detection of Toxic Heavy Metal Ions and Bioremediation Using Bacterium as the Scavenger. Electroanalysis, 2016, 28, 1885-1893.	2.9	26
14	Tuning the direct growth of Ag <sub>seeds</sub> into bimetallic Ag@Cu nanorods on surface functionalized electrochemically reduced graphene oxide: enhanced nitrite detection. RSC Advances, 2015, 5, 48236-48245.	3.6	16
15	Facile growth of Ag@Pt bimetallic nanorods on electrochemically reduced graphene oxide for an enhanced electrooxidation of hydrazine. Journal of Chemical Sciences, 2016, 128, 357-363.	1.5	16
16	Anchoring $\hat{1}^3$ -MnO <sub>2</sub> within $\hat{1}^2$ -NiCo(OH) <sub>2</sub> as an Interfacial Electrode Material for Boosting Power Density in an Asymmetric Supercapacitor Device and for Oxygen Evolution Catalysis. Langmuir, 2021, 37, 5964-5978.	3.5	16
17	Nanostructured copper particles-incorporated Nafion-modified electrode for oxygen reduction. Pramana - Journal of Physics, 2005, 65, 713-722.	1.8	15
18	Hierarchical 2D/2D interface of nickel aluminum oxide and nickel aluminum layered double hydroxide nanoflowers: An efficient and robust electrocatalyt for overall water splitting. Electrochimica Acta, 2021, 392, 139029.	5.2	14

#	ARTICLE	IF	CITATIONS
19	Impact of morphological variation by phase-oriented MnO <sub>2</sub> -based hierarchical ternary composites for the fabrication of solid-state symmetric supercapacitor. <i>Ionics</i> , 2020, 26, 2563-2579.	2.4	12
20	Synergistic effect of bimetallic Ag@Cu nanorods modified electrode for enhanced electrochemical sensing of thiocyanate ions. <i>Research on Chemical Intermediates</i> , 2016, 42, 2539-2551.	2.7	8
21	One pot in situ synthesis of nano Au@Pd core-shells embedded on reduced graphene oxide for the oxygen reduction reaction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 264, 114924.	3.5	8
22	Effect of $\beta$ -MnO <sub>2</sub> on Controlled Polymorphism of VO <sub>2</sub> (x = A, B, C) Nanosheets for Overall Water Splitting. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3419-3431.	3.1	8
23	Electrochemical and in situ spectroelectrochemical studies of gold nanoparticles immobilized Nafion matrix modified electrode. <i>Bulletin of Materials Science</i> , 2008, 31, 487-494.	1.7	6
24	Signal amplification of dopamine using lanthanum hexacyanoferrate-modified electrode. <i>Journal of Chemical Sciences</i> , 2014, 126, 11-16.	1.5	6
25	Electroreduction of Nitroaromatic Compounds at Electrochemically Reduced Graphene Oxide Supported Bimetallic Ag@Pd Nanorods Modified Electrodes. <i>Electroanalysis</i> , 2016, 28, 1984-1991.	2.9	6
26	$\alpha$ -MnO <sub>2</sub> sensitized SrCO <sub>3</sub> @Sr(OH) <sub>2</sub> supported on two dimensional carbon composites as stable electrode material for asymmetric supercapacitor and for oxygen evolution catalysis. <i>ChemElectroChem</i> , 0, , .	3.4	1
27	Revealing the Role of Brønsted Basicity by the Electrocatalytic Reaction via Li Insertion in the MgFe <sub>2</sub> O <sub>4</sub> Lattice. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	1