

# Sangaranarayanan Mv

## List of Publications by Year in descending order

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46  
papers

556  
citations

686830

13  
h-index

676716

22  
g-index

47  
all docs

47  
docs citations

47  
times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-“nanoarchitectures of electrodeposited Ni-ITO nanocomposites on copper foil as electrocatalysts for the oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2021, 45, 5146-5153.	1.4	2
2	Thiourea linked glycolipid-assisted synthesis of sub-micrometer sized polyaniline spheres for enzyme less sensing of dopamine. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 439-449.	1.5	5
3	Shape-controlled electrodeposition of silver using chitosan as structure-directing agent on disposable pencil graphite electrodes: low-cost electrocatalysts for the detection of hydrogen peroxide and hydrazine hydrate. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2773-2788.	1.2	5
4	Electrochemical Sensing of Anesthetics using Polythiophene Coated Glassy Carbon Electrodes. <i>ChemistrySelect</i> , 2019, 4, 9776-9783.	0.7	9
5	Pulse electrodeposited nickel with structure directing agents as an electrocatalyst for oxidation of glycerol. <i>New Journal of Chemistry</i> , 2019, 43, 8352-8362.	1.4	18
6	Shape-Controlled Synthesis of Palladium Nanostructures from Flowers to Thorns: Electrocatalytic Oxidation of Ethanol. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 758-769.	0.9	7
7	Non-Enzymatic Selective Determination of Catechol Using Copper Microparticles Modified Polypyrrole Coated Glassy Carbon Electrodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, B274-B284.	1.3	14
8	Grand Canonical Monte Carlo coupled multiscale simulation for electrochemical and solvent parameters of silver halide systems in water. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 68, 140-146.	1.3	0
9	Metal-polymer composites at liquid/liquid interfaces: new morphological investigations using ex situ and in situ studies. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	5
10	Permselectivity and thickness-dependent ion transport properties of overoxidized polyaniline: a mechanistic investigation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30705-30720.	1.3	13
11	Shape-controlled synthesis of three-dimensional triangular bismuth microstructures and sensing of H <sub>2</sub> O <sub>2</sub> . <i>CrystEngComm</i> , 2016, 18, 1147-1155.	1.3	9
12	Electroanalytical Sensor Based on Unmodified Screen-Printed Carbon Electrode for the Determination of Levothyroxine. <i>Electroanalysis</i> , 2015, 27, 360-367.	1.5	16
13	Charge Density Modulated Shape-Dependent Electrocatalytic Activity of Gold Nanoparticles for the Oxidation of Ascorbic Acid. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23103-23112.	1.5	29
14	Nanomaterials at Liquid/Liquid Interfaces-A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 6863-6882.	0.9	11
15	Enzyme-Catalyzed Oxygen Reduction Reaction in Biofuel Cells: Analytical Expressions for Chronoamperometric Current Densities. <i>Journal of the Electrochemical Society</i> , 2015, 162, H671-H680.	1.3	18
16	Electrochemical Sensing of Nitrite Ions Using Tin-Submicroparticles Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2014, 26, 2358-2364.	1.5	7
17	Electrodeposition of silver nanostructures: from polygons to dendrites. <i>CrystEngComm</i> , 2013, 15, 2052.	1.3	43
18	Adsorption of Enantiomers on Metal Surfaces: Application to D- and L-Alanine on Cu, Ni and Zn Electrodes. <i>Journal of the Electrochemical Society</i> , 2013, 160, G102-G110.	1.3	2

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19	Mechanism and Regioselectivity of the Electrochemical Reduction in Polychlorobiphenyls (PCBs): Kinetic Analysis for the Successive Reduction of Chlorines from Dichlorobiphenyls. <i>Journal of Physical Chemistry C</i> , 2012, 116, 655-664.	1.5	20
20	Partition function of the two-dimensional nearest neighbour Ising models for finite lattices in a non-zero magnetic field#. <i>Journal of Chemical Sciences</i> , 2012, 124, 105-113.	0.7	0
21	Detection of lead ions in picomolar concentration range using underpotential deposition on silver nanoparticles-deposited glassy carbon electrodes. <i>Talanta</i> , 2011, 85, 2142-2147.	2.9	31
22	Reduction of mono- and dichlorobiphenyls with sodium-naphthalene complex. <i>Russian Journal of General Chemistry</i> , 2010, 80, 800-808.	0.3	6
23	Mechanistic Analysis of the Reductive Cleavage of Carbon-Halogen Bonds in Halopentafluorobenzenes. <i>Journal of the Electrochemical Society</i> , 2009, 156, F23.	1.3	5
24	Partition function of nearest neighbour Ising models: Some new insights. <i>Journal of Chemical Sciences</i> , 2009, 121, 595-599.	0.7	4
25	Analysis of polypyrrole-coated stainless steel electrodes - Estimation of specific capacitances and construction of equivalent circuits. <i>Journal of Chemical Sciences</i> , 2008, 120, 25-31.	0.7	30
26	Nonequilibrium Thermodynamics Formalism for Marcus Theory of Heterogeneous and Self-Exchange Electron-Transfer Rate Constants. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4308-4313.	1.1	5
27	Analysis of Electron Transfer Processes Across Liquid/Liquid Interfaces: Estimation of Free Energy of Activation Using Diffuse Boundary Model. <i>Langmuir</i> , 2006, 22, 1347-1355.	1.6	2
28	Differential capacitance of liquid/liquid interfaces - A lattice gas model approach. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 624-633.	5.0	1
29	Anion-induced adsorption of thallium complex on silver electrodes. <i>Journal of Colloid and Interface Science</i> , 2005, 282, 92-101.	5.0	7
30	Estimation of electrochemical quartz crystal microbalance frequencies from cyclic voltammetric data: underpotential deposition of metals as an illustration. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 621-626.	1.2	1
31	4-Bromo-2,6-dichloroaniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o758-o759.	0.2	1
32	Estimation of exchange current density for ferric/ferrous reaction at electrode surfaces - influence of ionic desolvation and dipolar adsorption. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 247-255.	5.0	5
33	A simple simulation methodology for estimation of dehydration energies and surface potentials of concentrated NaCl solutions. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 139-148.	5.0	4
34	5-Bromo-1,3-dichloro-2-iodobenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1933-o1934.	0.2	0
35	Stability of Scanning Tunneling Microscopy Tip-Induced Bimetallic Nanoclusters: Influence of Hardness and Composition on the Cohesive Energies. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13944-13947.	1.2	8
36	Dehydration Energies of Alkali Metal Halides. A New Simulation Methodology Involving Mean Nearest Neighbor Distances and Thermodynamic Forces. <i>Langmuir</i> , 2004, 20, 1871-1876.	1.6	8

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37	Underpotential Deposition of Metals: A Structural and Thermodynamic Considerations. Journal of Physical Chemistry B, 2002, 106, 2699-2707.	1.2	60
38	Hydrogen Evolution Reaction on Electrodes: Influence of Work Function, Dipolar Adsorption, and Desolvation Energies. Journal of Physical Chemistry B, 2002, 106, 8681-8688.	1.2	31
39	Hardness of metals from electron transfer reactions at electrode surfaces. Journal of Chemical Physics, 2002, 117, 8959-8965.	1.2	5
40	Influence of the Work Function on Electron Transfer Processes at Metals: Application to the Hydrogen Evolution Reaction. Langmuir, 2002, 18, 5572-5578.	1.6	49
41	Condensation of Nucleobases at Mercury/Aqueous Solution Interface A Structural Perspective Using Hydrogen Bonding Considerations. Journal of Colloid and Interface Science, 2002, 250, 201-212.	5.0	6
42	Electron transfer reactions at metal electrodes: Influence of work function on free energy of activation and exchange current density. Journal of Chemical Physics, 2001, 115, 6173-6178.	1.2	29
43	Dynamics of competing diffusion processes in a bias electric field: kinetic Ising model approach and phenomenological descriptions. Journal of Physics A, 1998, 31, 7671-7683.	1.6	6
44	Lattice models for dipolar adsorption at metal/electrolyte interfaces using Bethe approximation. Journal of Chemical Physics, 1996, 105, 4284-4288.	1.2	5
45	Perturbation expansions and series acceleration procedures. Part I. $\mu$ -convergence and critical parameters. Pramana - Journal of Physics, 1984, 22, 183-201.	0.9	7
46	Perturbation expansions and series acceleration procedures: Part-II. Extrapolation techniques. Pramana - Journal of Physics, 1984, 22, 407-419.	0.9	6