

Selva Chandrasekaran Selvaraj

List of Publications by Year in descending order

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15
papers

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citations

840776

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996975

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docs citations

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times ranked

1793
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicomponent electrocatalyst with ultralow Pt loading and high hydrogen evolution activity. Nature Energy, 2018, 3, 773-782.	39.5	542
2	High-Performance Hydrogen Evolution by Ru Single Atoms and Nitrided-Ru Nanoparticles Implanted on N-Doped Graphitic Sheet. Advanced Energy Materials, 2019, 9, 1900931.	19.5	224
3	A comparative study on electrochemical cycling stability of lithium rich layered cathode materials Li _{1.2} Ni _{0.13} M _{0.13} Mn _{0.54} O ₂ where M = Fe or Co. Journal of Power Sources, 2016, 324, 462-474.	7.8	59
4	Diverse Spectroscopic Studies and First-Principles Investigations of the Zinc Vacancy Mediated Ferromagnetism in Mn-Doped ZnO Nanoparticles. Crystal Growth and Design, 2016, 16, 3656-3668.	3.0	38
5	Effect of Ablation Rate on the Microstructure and Electrochromic Properties of Pulsed-Laser-Deposited Molybdenum Oxide Thin Films. Langmuir, 2017, 33, 19-33.	3.5	35
6	Pt-like hydrogen evolution on a V ₂ O ₅ /Ni(OH) ₂ electrocatalyst. Journal of Materials Chemistry A, 2019, 7, 15794-15800.	10.3	31
7	Structure-magnetic property relations in FeNbO ₄ polymorphs: A spin glass perspective. Progress in Solid State Chemistry, 2019, 54, 20-30.	7.2	15
8	Real-time decay of fluorinated fullerene molecules on Cu(001) surface controlled by initial coverage. Nano Research, 2018, 11, 2069-2082.	10.4	13
9	Passivation mechanism in CdTe solar cells: The hybrid role of Se. Applied Physics Letters, 2021, 119, .	3.3	12
10	Magnetic, thermodynamic and transport properties of novel non-centrosymmetric RCoSi ₃ (R=Pr, Nd) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	11
11	Excitation-dependent local symmetry reversal in single host lattice Ba ₂ A(BO ₃) ₂ :Eu ³⁺ [A = Mg and Ca] phosphors with tunable emission colours. Physical Chemistry Chemical Physics, 2017, 19, 17383-17395.	2.8	11
12	Growth Mechanism of Pine-leaf-like Nanostructure from the Backbone of SrCO ₃ Nanorods using LaMer's Surface Diffusion: Impact of Higher Surface Energy ($\gamma = 38.9$) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	3.0	5
13	Calculations. Crystal Growth and Design, 2017, 17, 6394-6406.		
13	Effects of impurity adsorption on topological surface states of Bi ₂ Te ₃ . Europhysics Letters, 2017, 119, 47001.	2.0	3
14	Understanding the enhanced electrical properties of free-standing graphene paper: the synergistic effect of iodide adsorption into graphene. RSC Advances, 2019, 9, 33781-33788.	3.6	2
15	Effect of adatom deposition on surface magnetism and exchange coupling parameter in (0001) SmCo ₅ slabs. Journal of Applied Physics, 2015, 117, 133902.	2.5	1