

# Seenivasan Hariharan

## List of Publications by Year in descending order

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18  
papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Water Adsorption and Dissociation on Copper/Nickel Bimetallic Surface Alloys: Effect of Surface Temperature on Reactivity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16351-16365.	3.1	58
2	Electrochemical corrosion behavior of pulse and DC electrodeposited Co-P coatings. <i>Surface and Coatings Technology</i> , 2012, 206, 2199-2206.	4.8	48
3	Characterization of amorphous Co-P alloy coatings electrodeposited with pulse current using gluconate bath. <i>Applied Surface Science</i> , 2012, 258, 9544-9553.	6.1	42
4	Water dissociation on Ni(100) and Ni(111): Effect of surface temperature on reactivity. <i>Journal of Chemical Physics</i> , 2013, 139, 174707.	3.0	40
5	Pt-Ni Subsurface Alloy Catalysts: An Improved Performance toward CH <sub>4</sub> Dissociation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10857-10870.	3.1	37
6	XRD, FESEM and XPS studies on heat treated Co-W electrodeposits. <i>Materials Letters</i> , 2012, 76, 103-105.	2.6	34
7	Water dissociation on Cu (111): Effects of molecular orientation, rotation, and vibration on reactivity. <i>Journal of Chemical Physics</i> , 2012, 137, 094708.	3.0	29
8	Characterization and corrosion behavior of Co and Co-P coatings electrodeposited from chloride bath. <i>RSC Advances</i> , 2014, 4, 46293-46304.	3.6	28
9	Water dissociation on Ni(100), Ni(110), and Ni(111) surfaces: Reaction path approach to mode selectivity. <i>Journal of Chemical Physics</i> , 2017, 146, 074705.	3.0	28
10	Water adsorption and dissociation on Ni(110): How is it different from its close packed counterparts?. <i>Journal of Chemical Physics</i> , 2014, 140, 174704.	3.0	21
11	Characterization and microhardness of Co-W coatings electrodeposited at different pH using gluconate bath: A comparative study. <i>Surface and Interface Analysis</i> , 2013, 45, 1026-1036.	1.8	18
12	Exploratory Direct Dynamics Simulations of <sup>3</sup> O <sub>2</sub> Reaction with Graphene at High Temperatures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29368-29379.	3.1	13
13	Potential Energy Landscape of CO Adsorbates on NaCl(100) and Implications in Isomerization of Vibrationally Excited CO. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19146-19156.	3.1	12
14	CHARACTERIZATION AND HARDNESS OF Co-P COATINGS OBTAINED FROM DIRECT CURRENT ELECTRODEPOSITION USING GLUCONATE BATH. <i>Surface Review and Letters</i> , 2013, 20, 1350049.	1.1	11
15	XPS Characterization and Microhardness of Heat Treated Co-W Coatings Electrodeposited with Gluconate Bath. <i>Advanced Science Focus</i> , 2013, 1, 262-268.	0.1	9
16	STUDIES ON SURFACE STRUCTURE, MORPHOLOGY AND COMPOSITION OF Co-W COATINGS ELECTRODEPOSITED WITH DIRECT AND PULSE CURRENT USING GLUCONATE BATH. <i>Surface Review and Letters</i> , 2013, 20, 1350006.	1.1	9
17	Enhancing methane dissociation with nickel nanoclusters. <i>Computational and Theoretical Chemistry</i> , 2015, 1064, 7-14.	2.5	8
18	Effect of P codeposition on the structure and microhardness of Co-W coatings electrodeposited from gluconate bath. <i>Surface and Interface Analysis</i> , 2017, 49, 554-569.	1.8	3