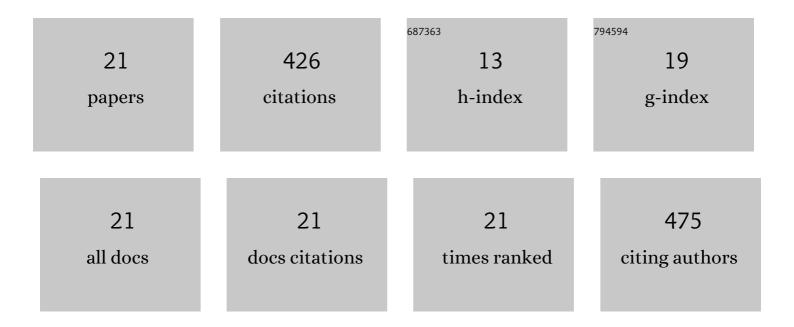
## Srijan Sengupta

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Electrodeposited Nickel Coating Reinforced with Chlorophyllâ€Reduced Graphene Oxide. Advanced Engineering Materials, 2021, 23, 2100254.	3.5	0
2	Reciprocating Sliding Wear of Cu, Cu-SiC Functionally Graded Coating on Electrical Contact. Journal of Materials Engineering and Performance, 2020, 29, 3930-3940.	2.5	11
3	Prediction of the Propagation of Fatigue Cracks in Part-Through Cracked Pipes with CASCA and FRANC2D. Transactions of the Indian Institute of Metals, 2020, 73, 1417-1420.	1.5	8
4	Cu, Cu-SiC functionally graded coating for protection against corrosion and wear. Surface and Coatings Technology, 2019, 374, 833-844.	4.8	28
5	Synthesis and characterization of novel Cu, Cu-SiC functionally graded coating by pulse reverse electrodeposition. Applied Surface Science, 2019, 467-468, 567-579.	6.1	19
6	Melt impregnation as a post processing treatment for performance enhancement in high capacity 3D microporous tin-copper-nickel intermetallic anode for Li-ion battery supported by electrodeposited nickel scaffold: A structural study. Applied Surface Science, 2018, 441, 965-977.	6.1	10
7	A Study on the Effect of Electrodeposition Parameters on the Morphology of Porous Nickel Electrodeposits. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 920-937.	2.2	27
8	Novel bilayer Zn Ni/Ni Co SiC nanocomposite coating with exceptional corrosion and wear properties by pulse electrodeposition. Journal of Alloys and Compounds, 2018, 738, 394-404.	5.5	39
9	Substrate effect on electrodeposited copper morphology and crystal shapes. Surface Engineering, 2018, 34, 485-492.	2.2	26
10	Comparison of Osteoconduction, cytocompatibility and corrosion protection performance of hydroxyapatite-calcium hydrogen phosphate composite coating synthesized in-situ through pulsed electro-deposition with varying amount of phase and crystallinity. Surfaces and Interfaces, 2018, 10, 1-10.	3.0	34
11	Sandwich architecture of Sn SnSb alloy nanoparticles and N-doped reduced graphene oxide sheets as a high rate capability anode for lithium-ion batteries. Journal of Power Sources, 2018, 401, 165-174.	7.8	26
12	A Novel Multiphase Sn-Sb-Cu Alloy Electrodeposited on 3D Interconnected Microporous Cu Current Collector as Negative Electrode for Lithium Ion Battery. Metallurgical and Materials Transactions E, 2017, 4, 51-59.	0.5	2
13	Effect of Anodic Passivation at High Applied Potential Difference on the Crystal Shape and Morphology of Copper Electrodeposits: Thermodynamics and Kinetics of Electrocrystallization. Crystal Growth and Design, 2017, 17, 1539-1549.	3.0	9
14	3D microporous Sn-Sb-Ni alloy impregnated Ni foam as high-performance negative electrode for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 705, 290-300.	5.5	37
15	Investigation on lithium conversion behavior and degradation mechanisms in Tin based ternary component alloy anodes for lithium ion batteries. Journal of Alloys and Compounds, 2017, 721, 236-248.	5.5	17
16	Synergistic effect of peak current density and nature of surfactant on microstructure, mechanical and electrochemical properties of pulsed electrodeposited Ni-Co-SiC nanocomposites. Journal of Alloys and Compounds, 2017, 729, 1093-1107.	5.5	33
17	MWCNT reinforced bone like calcium phosphate—Hydroxyapatite composite coating developed through pulsed electrodeposition with varying amount of apatite phase and crystallinity to promote superior osteoconduction, cytocompatibility and corrosion protection performance compared to bare metallic implant surface. Surface and Coatings Technology, 2017, 325, 496-514.	4.8	29
18	Synthesis and characterization of MWCNT reinforced nano-crystalline copper coating from a highly basic bath through pulsed electrodeposition. Surfaces and Interfaces, 2017, 9, 28-35.	3.0	7

#	Article	IF	CITATIONS
19	Synthesis of calcium hydrogen phosphate and hydroxyapatite coating on SS316 substrate through pulsed electrodeposition. Materials Science and Engineering C, 2016, 69, 875-883.	7.3	45
20	Effect of Current Density on the Nucleation and Growth of Crystal Facets during Pulse Electrodeposition of Sn–Cu Lead-Free Solder. Crystal Growth and Design, 2014, 14, 6542-6549.	3.0	18
21	Optimization of Test Procedure for Simulation of Paper Laminate in Axial Loading Conditions Using FRANC2D and CASCA. Key Engineering Materials, 0, 882, 132-139.	0.4	1