Sampathkumar Chrisolite Vanithakuma

List of Publications by Year
in descending order

38 papers	883 citations	516681 16 h-index	477281 29 g-index
39 all docs	39 docs citations	39 times ranked	931 citing authors

#	Article	IF	Citations
1	Facile fabrication of robust superhydrophobic aluminum surfaces with enhanced corrosion protection and antifouling properties. Progress in Organic Coatings, 2022, 162, 106560.	3.9	36
2	A simple approach for fabrication of superhydrophobic titanium surface with self-cleaning and bouncing properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128110.	4.7	14
3	Fabrication of superhydrophobic and self cleaning<scp>PVAâ€silica</scp>fiber coating on<scp>304L SS</scp>surfaces by electrospinning. Journal of Applied Polymer Science, 2021, 138, 50118.	2.6	19
4	Graphene oxide/polyvinylpyrrolidone composite coating on 316L SS with superior antibacterial and anti-biofouling properties. Progress in Organic Coatings, 2021, 158, 106356.	3.9	14
5	On the durability of Pt coated Ti electrodes for the electro-oxidative dissolution of spent nuclear fuels. Corrosion Engineering Science and Technology, 2020, 55, 48-56.	1.4	0
6	Graphene oxide-chitosan-silver composite coating on Cu-Ni alloy with enhanced anticorrosive and antibacterial properties suitable for marine applications. Progress in Organic Coatings, 2020, 139, 105444.	3.9	62
7	Failure of Printed Circuit Boards during Storage and Service: Leaked Capacitors and White Residue. Journal of Materials Engineering and Performance, 2020, 29, 6402-6411.	2.5	2
8	Fabrication of superhydrophobic titanium surfaces with superior antibacterial properties using graphene oxide and silanized silica nanoparticles. Surface and Coatings Technology, 2020, 400, 126074.	4.8	44
9	A simple, rapid and single step method for fabricating superhydrophobic titanium surfaces with improved water bouncing and self cleaning properties. Applied Surface Science, 2020, 512, 145636.	6.1	88
10	Probing the Stability of Superhydrophobic (SHP) Silane Coating on Anodized Ti Substrate Using Kelvin Probe Force Microscope (KPFM). Transactions of the Indian Institute of Metals, 2019, 72, 3045-3055.	1.5	4
11	Porous Microcapsule-Based Regenerating Superhydrophobic Coating on 304L SS and Its Corrosion Properties. Journal of Materials Engineering and Performance, 2019, 28, 7047-7057.	2.5	8
12	Template-Free One-Step Electrodeposition Method for Fabrication of Robust Superhydrophobic Coating on Ferritic Steel with Self-Cleaning Ability and Superior Corrosion Resistance. Langmuir, 2019, 35, 12665-12679.	3.5	79
13	Development of Superhydrophobic Coating on Copper for Enhanced Corrosion Resistance in Chloride Medium. Transactions of the Indian Institute of Metals, 2019, 72, 1133-1143.	1.5	7
14	Electrophoretically deposited graphene oxideâ€“polymer bilayer coating on Cu-Ni alloy with enhanced corrosion resistance in simulated chloride environment. Journal of Coatings Technology Research, 2019, 16, 1317-1335.	2.5	13
15	Development of hydrophobic cupronickel surface with biofouling resistance by sandblasting. Surface and Coatings Technology, 2018, 345, 89-95.	4.8	8
16	Active Nano Metal Oxide Coating for Bio-fouling Resistance. Transactions of the Indian Institute of Metals, 2018, 71, 1323-1329.	1.5	3
17	Anodic Electrophoretic Deposition of Graphene Oxide on 316L Stainless Steel with pH-Dependent Microstructures. Journal of Bio- and Tribo-Corrosion, 2018, 4, 1.	2.6	15
18	Environmental Stability and Long-Term Durability of Superhydrophobic Coatings on Titanium. Journal of Materials Engineering and Performance, 2017, 26, 2640-2648.	2.5	17

#	Article	IF	Citations
19	Stability and Durability Study of Nano Pt Coated Titanium for Electrode Application. Transactions of the Indian Institute of Metals, 2017, 70, 1689-1696.	1.5	1
20	Superhydrophobic coating on modified 9Cr â€“ 1Mo ferritic steel using perfluoro octyl triethoxy silane. Surface Engineering, 2016, 32, 139-146.	2.2	19
21	Superhydrophobic Coating on Mod.9Cr-1Mo Ferritic Steel for Enhancing Corrosion Resistance and Antibacterial Activity. Transactions of the Indian Institute of Metals, 2016, 69, 1311-1318.	1.5	6
22	Nanoparticles of Pt loaded on a vertically aligned TiO₂ nanotube bed: synthesis and evaluation of electrocatalytic activity. RSC Advances, 2015, 5, 108050-108057.	3.6	18
23	Lotus effect-based coatings on marine steels to inhibit biofouling. Surface Innovations, 2015, 3, 115-126.	2.3	11
24	Studies on the influence of surface morphology of ZnO nail beds on easy roll off of water droplets. Applied Surface Science, 2015, 347, 839-848.	6.1	22
25	Novel ultraviolet emitting low energy nitrogen ion implanted magnesium ion incorporated nanocrystalline calcium phosphate. Materials Letters, 2015, 153, 182-185.	2.6	8
26	Development and performance evaluation of nano platinum coated titanium electrode for application in nitric acid medium. Materials Chemistry and Physics, 2015, 151, 133-139.	4.0	11
27	Studies to control biofilm formation by coupling ultrasonication of natural waters and anodization of titanium. Ultrasonics Sonochemistry, 2014, 21, 189-199.	8.2	33
28	Influence of silanes on the wettability of anodized titanium. Applied Surface Science, 2014, 292, 650-657.	6.1	34
29	Synthesis and Characterization of Nanostructured Platinum Coated Titanium as Electrode Material. Journal of Materials Engineering and Performance, 2014, 23, 1673-1679.	2.5	10
30	Enhancement of Corrosion Performance of Titanium by Micro-Nano Texturing. Corrosion, 2013, 69, 804-812.	1.1	26
31	Synthesis of one-dimensional N-doped Ga2O3 nanostructures: different morphologies and different mechanisms. Bulletin of Materials Science, 2011, 34, 1331-1338.	1.7	10
32	Controlled synthesis of CuO nanostructures on Cu foil, rod and grid. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 669-678.	3.5	16
33	Fabrication of Nanoporous Alumina Membranes by Single Step Anodization and Their Microscopic Characterization. Journal of Advanced Microscopy Research, 2011, 6, 207-214.	0.3	0
34	Controlled Growth of ZnO Tetrapods: Influence of Temperature and Temperature Gradient. Current Nanoscience, 2010, 6, 99-102.	1.2	10
35	A Oneâ€Step Method for the Growth of Ga₂O₃â€Nanorodâ€Based Whiteâ€Lightâ€Emitting Phosphors. Advanced Materials, 2009, 21, 3581-3584.	21.0	120
36	Synthesis of One-Dimensional ZnO Nanostructures from Zn Powder/Granule. Journal of Nanoscience and Nanotechnology, 2009, 9, 2061-2065.	0.9	4

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37	A universal relation for the cohesive energy of nanoparticles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6930-6934.	2.1	52
38	Phenomenological Predictions of Cohesive Energy and Structural Transition of Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 1033-1037.	2.6	39