Muthukrishnan Pitchaipillai

List of Publications by Year
in descending order

32 papers	984 citations	586496 16 h-index	488211 31 g-index
32 all docs	32 docs citations	32 times ranked	1231 citing authors

#	Article	IF	Citations
1	Mangifera indica Resin Assisted Synthesis of Nano Silver: Assessing their Photocatalytic Degradation of Methylene Blue, Anticorrosive and Antioxidant Activity. Journal of Cluster Science, 2022, 33, 123-133.	1.7	7
2	Structural Elucidation and Position Identification of Cu(II) ion in Hexaaquazinc(diaquabismalonto)zincate: Single Crystal EPR and Optical Studies. Journal of Cluster Science, 2021, 32, 1401-1409.	1.7	2
3	Detoxication and Theranostic Aspects of Biosynthesised Zinc Oxide Nanoparticles for Drug Delivery. Acta Metallurgica Sinica (English Letters), 2021, 34, 729-740.	1.5	6
4	Band gap tailoring, structural and optical features of MgS nanoparticles: Influence of Ag+ ions. Optik, 2021, 236, 166544.	1.4	8
5	Charge Transfer Resistance and Adsorption performance of a New Pyrrole Derivative on Mild steel in Acidic media: Antibacterial studies. Oriental Journal of Chemistry, 2021, 37, 779-790.	0.1	0
6	Ultrasound-assisted fabrication of a new nanocomposite electrode of samaria and borazon for high performance supercapacitors. Ultrasonics Sonochemistry, 2020, 62, 104871.	3.8	12
7	Adsorption and Charge Transfer Resistance Behavior of Ficus hispida Leaf Extract on Mild Steel Against Acid Attack. Journal of Failure Analysis and Prevention, 2020, 20, 1803-1809.	0.5	1
8	Structural, optical, photoluminescence and electrochemical behaviours of Mg, Mn dual-doped ZnS quantum dots. Journal of Materials Science: Materials in Electronics, 2019, 30, 11984-11993.	1.1	14
9	Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin Using Kleinia grandiflora Mediated Silver Nanoparticles. Journal of Cluster Science, 2019, 30, 1415-1424.	1.7	59
10	Photocatalytic degradation of environmental perilous gentian violet dye using leucaena-mediated zinc oxide nanoparticle and its anticancer activity. Rare Metals, 2019, 38, 277-286.	3.6	35
11	Azo Schiff Base as Antiscaling Agent for Mild Steel in Hydrochloric Acid: Electrochemical, Non-electrochemical, and DFT Studies. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	1.2	16
12	Stigmasterol extracted from Ficus hispida leaves as a green inhibitor for the mild steel corrosion in 1 M HCl solution. Arabian Journal of Chemistry, 2019, 12, 3345-3356.	2.3	93
13	Benign Approach of Plant-Derived Inhibitor: Assessing Their Anticorrosive Activity on Mild Steel in Acidic Media. Journal of Failure Analysis and Prevention, 2018, 18, 677-689.	0.5	7
14	Synthesis, Characterisation and DFT Studies of Stigmasterol Mediated Silver Nanoparticles and Their Anticancer Activity. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 702-710.	1.9	10
15	Biosynthesis of silver nanoparticles by using Camellia japonica leaf extract for the electrocatalytic reduction of nitrobenzene and photocatalytic degradation of Eosin-Y. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 164-172.	1.7	85
16	Synthesis of Leucaena mediated silver nanoparticles: Assessing their photocatalytic degradation of Cr (VI) and in vitro cytotoxicity against DLA cells. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 470-478.	2.0	15
17	A highly sensitive and selective electrochemical determination of non-steroidal prostate anti-cancer drug nilutamide based on f-MWCNT in tablet and human blood serum sample. Journal of Colloid and Interface Science, 2017, 487, 289-296.	5.0	61
18	Adsorption and corrosion inhibiting behavior of Lannea coromandelica leaf extract on mild steel corrosion. Arabian Journal of Chemistry, 2017, 10, S2343-S2354.	2.3	116

#	Article	IF	Citations
19	Electrochemical and Quantum Chemical Studies of 1, 5-bis (2-nitrophenyl)-1, 4-pentadien-3-one as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution. International Journal of Electrochemical Science, 2016, 11, 8892-8913.	0.5	6
20	Eco-friendly synthesis of Ag-NPs using Cerasus serrulata plant extract â€“ Its catalytic, electrochemical reduction of 4-NPh and antibacterial activity. Journal of Industrial and Engineering Chemistry, 2016, 37, 330-339.	2.9	64
21	Phyto mediated biogenic synthesis of gold nanoparticles using Cerasus serrulata and its utility in detecting hydrazine, microbial activity and DFT studies. Journal of Colloid and Interface Science, 2016, 468, 163-175.	5.0	41
22	Effect of Acidified Feronia elephantum Leaf Extract on the Corrosion Behavior of Mild Steel. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 1448-1460.	1.0	18
23	Adsorption and corrosion inhibiting behavior of a new S-triazine derivative. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 667-679.	0.3	8
24	Inhibition of the corrosion of mild steel in acidic media by use of a new antipyridine derivative. Research on Chemical Intermediates, 2015, 41, 5961-5984.	1.3	21
25	Benevolent behavior of Kleinia grandiflora leaf extract as a green corrosion inhibitor for mild steel in sulfuric acid solution. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 1083-1095.	2.4	25
26	Green biosynthesis of silver nanoparticles and nanomolar detection of p-nitrophenol. Journal of Solid State Electrochemistry, 2014, 18, 1847-1854.	1.2	70
27	Mild steel corrosion inhibition by aqueous extract of Hyptis Suaveolens leaves. International Journal of Industrial Chemistry, 2014, 5, 1.	3.1	66
28	Anticorrosive Activity of Kigelia pinnata Leaves Extract on Mild Steel in Acidic Media. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4510-4524.	1.1	26
29	Direct electrochemistry of myoglobin at silver nanoparticles/myoglobin biocomposite: Application for hydrogen peroxide sensing. Sensors and Actuators B: Chemical, 2014, 202, 177-184.	4.0	49
30	Extract of Cassia senna as Green Inhibitor for the Corrosion of Mild Steel in 1M Hydrochloric Acid Solution. Advances in Civil Engineering Materials, 2014, 3, 413-433.	0.2	2
31	Corrosion inhibition of Leucaena Leucocephala pod on mild steel in sulphuric acid solution. Acta Metallurgica Sinica (English Letters), 2013, 26, 416-424.	1.5	17
32	Corrosion Inhibition and Adsorption Behavior of Setaria verticillata Leaf Extract in 1M Sulphuric Acid. Journal of Materials Engineering and Performance, 2013, 22, 3792-3800.	1.2	24