

Pradeep Sambyal

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,651
citations

706676

14
h-index

889612

19
g-index

21
all docs

21
docs citations

21
times ranked

2178
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic shielding of Optically-Transparent and Electrically-Insulating ionic solutions. <i>Chemical Engineering Journal</i> , 2022, 438, 135564.	6.6	12
2	Enhanced absorption of electromagnetic waves in Ti ₃ C ₂ T _x MXene films with segregated polymer inclusions. <i>Composites Science and Technology</i> , 2021, 213, 108878.	3.8	41
3	2D MXenes for Electromagnetic Shielding: A Review. <i>Advanced Functional Materials</i> , 2020, 30, 2000883.	7.8	443
4	Ultralight and Mechanically Robust Ti ₃ C ₂ T _x Hybrid Aerogel Reinforced by Carbon Nanotubes for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38046-38054.	4.0	283
5	FeSiAl/metal core shell hybrid composite with high-performance electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2019, 172, 66-73.	3.8	49
6	Synergistic effect of polypyrrole/BST/RGO/Fe ₃ O ₄ composite for enhanced microwave absorption and EMI shielding in X-Band. <i>Current Applied Physics</i> , 2018, 18, 611-618.	1.1	69
7	Enhanced anticorrosive properties of tailored poly(aniline-anisidine)/chitosan/SiO ₂ composite for protection of mild steel in aggressive marine conditions. <i>Progress in Organic Coatings</i> , 2018, 119, 203-213.	1.9	54
8	Conducting polymer/bio-material composite coatings for corrosion protection. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 402-417.	0.8	11
9	Synthesis & characterization of poly(o-phenitidine)/SiO ₂ /Epoxy for anti-corrosive coating of mild steel in saline conditions. <i>Materials Research Express</i> , 2018, 5, 085307.	0.8	4
10	Corrosion protection of mild steel by environment friendly Polypyrrole/Gum Acacia Composite Coatings. <i>Advanced Materials Letters</i> , 2018, 9, 158-168.	0.3	3
11	Electromagnetic shielding behavior of polyaniline using Red Mud (industrial waste) as filler in the X band (8.2-12.4GHz) frequency range. <i>Materials Chemistry and Physics</i> , 2017, 189, 22-27.	2.0	30
12	Designing of smart coatings of conducting polymer poly(aniline-co-phenetidine)/SiO ₂ composites for corrosion protection in marine environment. <i>Surface and Coatings Technology</i> , 2016, 303, 362-371.	2.2	34
13	Enhanced electromagnetic shielding behaviour of multilayer graphene anchored luminescent TiO ₂ in PPY matrix. <i>Materials Letters</i> , 2015, 158, 167-169.	1.3	27
14	Advanced anti corrosive properties of poly(aniline-co-o-toluidine)/flyash composite coatings. <i>Surface and Coatings Technology</i> , 2015, 272, 129-140.	2.2	37
15	Barium ferrite decorated reduced graphene oxide nanocomposite for effective electromagnetic interference shielding. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1610-1618.	1.3	184
16	Designing Of MWCNT/ Ferrofluid/ Flyash Multiphase Composite As Safeguard For Electromagnetic Radiation. <i>Advanced Materials Letters</i> , 2015, 6, 585-591.	0.3	6
17	New insight into the shape-controlled synthesis and microwave shielding properties of iron oxide covered with reduced graphene oxide. <i>RSC Advances</i> , 2014, 4, 62413-62422.	1.7	22
18	Encapsulation of ⁵⁹ Fe ₂ O ₃ decorated reduced graphene oxide in polyaniline core-shell tubes as an exceptional tracker for electromagnetic environmental pollution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3581-3593.	5.2	258

#	ARTICLE	IF	CITATIONS
19	Tailored polyaniline/barium strontium titanate/expanded graphite multiphase composite for efficient radar absorption. RSC Advances, 2014, 4, 12614.	1.7	84