

Rp George

List of Publications by Year in descending order

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43
papers

1,200
citations

304743

22
h-index

395702

33
g-index

43
all docs

43
docs citations

43
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple, rapid and single step method for fabricating superhydrophobic titanium surfaces with improved water bouncing and self cleaning properties. <i>Applied Surface Science</i> , 2020, 512, 145636.	6.1	88
2	Robust nickel-reduced graphene oxide-myristic acid superhydrophobic coating on carbon steel using electrochemical codeposition and its corrosion resistance. <i>Surface and Coatings Technology</i> , 2020, 397, 125942.	4.8	64
3	Enhancement of strength and durability of fly ash concrete in seawater environments: Synergistic effect of nanoparticles. <i>Construction and Building Materials</i> , 2018, 187, 448-459.	7.2	62
4	Graphene oxide-chitosan-silver composite coating on Cu-Ni alloy with enhanced anticorrosive and antibacterial properties suitable for marine applications. <i>Progress in Organic Coatings</i> , 2020, 139, 105444.	3.9	62
5	Hollow mesoporous zirconia nanocontainers for storing and controlled releasing of corrosion inhibitors. <i>Ceramics International</i> , 2014, 40, 10457-10463.	4.8	61
6	Photocatalytic Inhibition of Microbial Adhesion by Anodized Titanium. <i>Biofouling</i> , 2004, 20, 167-175.	2.2	56
7	High performance green concrete (HPGC) with improved strength and chloride ion penetration resistance by synergistic action of fly ash, nanoparticles and corrosion inhibitor. <i>Construction and Building Materials</i> , 2019, 198, 299-312.	7.2	55
8	Enhanced seawater corrosion resistance of reinforcement in nanophase modified fly ash concrete. <i>Construction and Building Materials</i> , 2019, 221, 232-243.	7.2	44
9	Fabrication of superhydrophobic titanium surfaces with superior antibacterial properties using graphene oxide and silanized silica nanoparticles. <i>Surface and Coatings Technology</i> , 2020, 400, 126074.	4.8	44
10	Detection of algae and bacterial biofilms formed on titanium surfaces using micro-Raman analysis. <i>Applied Surface Science</i> , 2010, 256, 5108-5115.	6.1	37
11	Studies on Biodegradation of normal concrete surfaces by fungus <i>Fusarium</i> sp.. <i>Cement and Concrete Research</i> , 2013, 47, 8-13.	11.0	36
12	Influence of silanes on the wettability of anodized titanium. <i>Applied Surface Science</i> , 2014, 292, 650-657.	6.1	34
13	Studies to control biofilm formation by coupling ultrasonication of natural waters and anodization of titanium. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 189-199.	8.2	33
14	Antibacterial studies on Eu ³⁺ Ag codoped TiO ₂ surfaces. <i>Ceramics International</i> , 2013, 39, 1695-1705.	4.8	32
15	Studies of detailed Biofilm characterization on fly ash concrete in comparison with normal and superplasticizer concrete in seawater environments. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 42-51.	2.2	30
16	Detection and analysis of microbiologically influenced corrosion of 316 L stainless steel with electrochemical noise technique. <i>Engineering Failure Analysis</i> , 2014, 42, 133-142.	4.0	29
17	Corrosion inhibitor storage and release property of TiO ₂ nanotube powder synthesized by rapid breakdown anodization method. <i>Materials Research Bulletin</i> , 2013, 48, 635-639.	5.2	28
18	The chloride-induced corrosion of a fly ash concrete with nanoparticles and corrosion inhibitor. <i>Construction and Building Materials</i> , 2021, 274, 122097.	7.2	27

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19	Fabrication of a robust graphene oxide-nano SiO ₂ -polydimethylsiloxane composite coating on carbon steel for marine applications. <i>Progress in Organic Coatings</i> , 2021, 161, 106462.	3.9	27
20	Enhancement of Corrosion Performance of Titanium by Micro-Nano Texturing. <i>Corrosion</i> , 2013, 69, 804-812.	1.1	26
21	Fabrication of silanized GO hybrid coating on 316L SS with enhanced corrosion resistance and antibacterial properties for marine applications. <i>Surface and Coatings Technology</i> , 2020, 402, 126295.	4.8	25
22	Anomalous enhancement of corrosion resistance and antibacterial property of commercially pure Titanium (CP-Ti) with nanoscale rutile titania film. <i>Corrosion Science</i> , 2020, 172, 108678.	6.6	24
23	Microbiologically influenced corrosion of AISI type 304 stainless steels under fresh water biofilms. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2000, 51, 213-218.	1.5	23
24	Studies on the influence of surface morphology of ZnO nail beds on easy roll off of water droplets. <i>Applied Surface Science</i> , 2015, 347, 839-848.	6.1	22
25	Enhanced corrosion protection of reinforcement steel with nanomaterial incorporated fly ash based cementitious coating. <i>Construction and Building Materials</i> , 2021, 275, 122130.	7.2	22
26	Mechanism of a MIC probe. <i>Corrosion Science</i> , 2003, 45, 1999-2015.	6.6	21
27	A new ternary composite steel rebar coating for enhanced corrosion resistance in chloride environment. <i>Construction and Building Materials</i> , 2022, 320, 126307.	7.2	21
28	Efficacy of imidazolium and piperidinium based ionic liquids on inhibiting biofilm formation on titanium and carbon steel surfaces. <i>Analytica Chimica Acta</i> , 2020, 1126, 38-51.	5.4	16
29	Microbially induced corrosion of D9 stainless steel-zirconium metal waste form alloy under simulated geological repository environment. <i>Corrosion Science</i> , 2012, 61, 19-27.	6.6	15
30	A silver nanoparticle loaded TiO ₂ nanoporous layer for visible light induced antimicrobial applications. <i>Bioelectrochemistry</i> , 2015, 106, 290-297.	4.6	14
31	Determination of nanoscale titanium oxide thin film phase composition using X-ray photoelectron spectroscopy valence band analysis. <i>Thin Solid Films</i> , 2019, 681, 58-68.	1.8	14
32	Phase identification in binary mixture of nanopowders from deconvoluted valence band spectra using X-ray photoelectron spectroscopy: Case study with iron oxide and titania polymorphs. <i>Applied Surface Science</i> , 2018, 462, 932-943.	6.1	13
33	Microbiologically Influenced Corrosion in UNS S31653: Detection and Analysis Using Electrochemical Noise Technique. <i>Corrosion</i> , 2011, 67, 115004-115004-11.	1.1	12
34	Enhanced biodeterioration and biofouling resistance of nanoparticles and inhibitor admixed fly ash based concrete in marine environments. <i>International Biodeterioration and Biodegradation</i> , 2020, 155, 105088.	3.9	12
35	Enhancing antimicrobial properties of fly ash mortars specimens through nanophase modification. <i>Materials Today: Proceedings</i> , 2016, 3, 1389-1397.	1.8	11
36	In situ application of alternate potentials with chlorination synergistically enhanced biofouling control of titanium condenser materials. <i>International Biodeterioration and Biodegradation</i> , 2019, 144, 104746.	3.9	10

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37	Role of Oxygen Vacancy Formation Energy and Insulating Behavior in Darkening of White Amorphous TiO_2 . Journal of Physical Chemistry C, 2021, 125, 16136-16146.	3.1	9
38	TECHNIQUES FOR BIOFILM MONITORING. Corrosion Reviews, 2006, 24, .	2.0	8
39	Development of hydrophobic cupronickel surface with biofouling resistance by sandblasting. Surface and Coatings Technology, 2018, 345, 89-95.	4.8	8
40	Fungal resistance of nanomodifiers and corrosion inhibitor amended fly ash concrete. International Biodeterioration and Biodegradation, 2019, 143, 104725.	3.9	8
41	Characterizing biofilms for biofouling and microbial corrosion control in cooling water systems. Anti-Corrosion Methods and Materials, 2016, 63, 477-489.	1.5	7
42	Enhanced antimicrobial activity in green concrete specimens containing fly ash, nanophase modifiers, and corrosion inhibitor. Environmental Progress and Sustainable Energy, 2019, 38, 13102.	2.3	7
43	Enhanced biodeterioration resistance of nanophase modified fly ash concrete specimens: Accelerated studies in acid producing microbial cultures. Environmental Progress and Sustainable Energy, 2019, 38, 457-466.	2.3	3