

Seong-Cheol Kim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

317
citations

933447

10
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	Papaver somniferum as an efficient corrosion inhibitor for iron alloy in acidic condition: DFT, MC simulation, LCMS and electrochemical studies. <i>Journal of Molecular Structure</i> , 2021, 1242, 130822.	3.6	54
2	Fabrication of ZnO nanoparticles adorned nitrogen-doped carbon balls and their application in photodegradation of organic dyes. <i>Scientific Reports</i> , 2019, 9, 19509.	3.3	53
3	Replacing bisphenol-A with bisguaiacol-F to synthesize polybenzoxazines for a pollution-free environment. <i>New Journal of Chemistry</i> , 2016, 40, 9313-9319.	2.8	33
4	Development of sustainable and antimicrobial film based on polybenzoxazine and cellulose. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 664-673.	7.5	20
5	Synthesis, physicochemical properties, theoretical and electrochemical studies of tetraglycidyl methylenedianiline. <i>Journal of Molecular Structure</i> , 2022, 1265, 133508.	3.6	20
6	N-Doped Mesoporous Carbon Prepared from a Polybenzoxazine Precursor for High Performance Supercapacitors. <i>Polymers</i> , 2021, 13, 2048.	4.5	16
7	Capacitance Enhancement of Metal-Organic Framework (MOF) Materials by Their Morphology and Structural Formation. <i>Energy & Fuels</i> , 2022, 36, 4978-4991.	5.1	12
8	Modified Cotton Sponge with Bio-Based Polybenzoxazine for Plasticizer Absorption and Oil-Water Separation. <i>ACS Applied Polymer Materials</i> , 2022, 4, 950-959.	4.4	11
9	Recent progress in epoxy resins as corrosion inhibitors: design and performance. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 923-944.	2.6	10
10	In Silico Approaches for Some Sulfa Drugs as Eco-Friendly Corrosion Inhibitors of Iron in Aqueous Medium. <i>Lubricants</i> , 2022, 10, 43.	2.9	10
11	Fabrication of SiO ₂ -reinforced polybenzoxazine composites and their thermal and dielectric properties. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	10
12	Performance of cross-linked polymers as a potential anticorrosive coating for low carbon steel in acidic condition: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2022, 360, 119384.	4.9	10
13	Functionalized MWCNTs, an efficient reinforcement for the preparation of eugenol based high performance PBz/BMI/CNT nanocomposites exhibiting outstanding thermo-mechanical properties. <i>New Journal of Chemistry</i> , 2017, 41, 6607-6615.	2.8	9
14	Corrosion inhibition abilities of phytochemicals: a combined computational studies. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 842-857.	2.6	9
15	Ultra-Tough and Super-Swelling Poly(vinyl alcohol)/Poly(AAm-co-AA Sodium Salts) Double Network Hydrogels. <i>Macromolecules</i> , 2021, 54, 2439-2448.	4.8	8
16	Corrosion Inhibitors: Industrial Applications and Commercialization. <i>ACS Symposium Series</i> , 0, , 219-235.	0.5	8
17	The synthesis of mechanically stable polybenzoxazine-based porous carbon and its application as high-performance supercapacitor electrodes. <i>New Journal of Chemistry</i> , 2021, 45, 8738-8746.	2.8	7
18	Investigating the effects of amine-functionalized carbon balls in a polybenzoxazine matrix. <i>New Journal of Chemistry</i> , 2020, 44, 12384-12396.	2.8	6

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19	Ethidium bromide-bridged mesoporous silica hybrid nanocarriers for fluorescence cell imaging and drug delivery applications. <i>New Journal of Chemistry</i> , 2021, 45, 20641-20648.	2.8	5
20	Studies on graphene oxide/BMI-reinforced polybenzoxazine nanocomposites. <i>Polymer Bulletin</i> , 2019, 76, 3733-3751.	3.3	4
21	A sustainable strategy for the remediation of oil/water separation using polybenzoxazine/stearic acid functionalized porous carbon. <i>New Journal of Chemistry</i> , 2021, 45, 17566-17575.	2.8	1
22	Eco-waste as a corrosion inhibitor. , 0, , .		0
23	Functionalized Nanomaterials for Corrosion Mitigation: Synthesis, Characterization & Applications. <i>ACS Symposium Series</i> , 0, , 67-85.	0.5	0