

# Mansour Rahsepar

## List of Publications by Year in descending order

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23  
papers

703  
citations

516710

16  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

920  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mechanistic study of the enhanced cathodic protection performance of graphene-reinforced zinc rich nanocomposite coating for corrosion protection of carbon steel substrate. <i>Journal of Alloys and Compounds</i> , 2017, 727, 1148-1156.	5.5	109
2	Smart inhibition action of layered double hydroxide nanocontainers in zinc-rich epoxy coating for active corrosion protection of carbon steel substrate. <i>Journal of Alloys and Compounds</i> , 2017, 711, 560-567.	5.5	72
3	Microwave-assisted synthesis of graphene modified CuO nanoparticles for voltammetric enzyme-free sensing of glucose at biological pH values. <i>Mikrochimica Acta</i> , 2018, 185, 57.	5.0	56
4	Synthesis and characterization of inhibitor-loaded silica nanospheres for active corrosion protection of carbon steel substrate. <i>Journal of Alloys and Compounds</i> , 2017, 709, 519-530.	5.5	50
5	A new enzyme-free biosensor based on nitrogen-doped graphene with high sensing performance for electrochemical detection of glucose at biological pH value. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 322-330.	7.8	46
6	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , 2020, 12, 1407.	4.5	43
7	The use of green <i>Bistorta Officinalis</i> extract for effective inhibition of corrosion and scale formation problems in cooling water system. <i>Journal of Alloys and Compounds</i> , 2019, 770, 669-678.	5.5	35
8	Fabrication and characterisation of functionally graded Ni-P coatings with improved wear and corrosion resistance. <i>Surface Engineering</i> , 2019, 35, 883-890.	2.2	33
9	Tungsten carbide on directly grown multiwalled carbon nanotube as a co-catalyst for methanol oxidation. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 265-272.	20.2	31
10	Synthesis and electrocatalytic performance of high loading active PtRu multiwalled carbon nanotube catalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2012, 71, 246-251.	5.2	31
11	A highly sensitive and selective biosensor based on nitrogen-doped graphene for non-enzymatic detection of uric acid and dopamine at biological pH value. <i>Journal of Electroanalytical Chemistry</i> , 2018, 827, 34-41.	3.8	28
12	Facile enhancement of the active catalytic sites of N-doped graphene as a high performance metal-free electrocatalyst for oxygen reduction reaction. <i>Applied Surface Science</i> , 2018, 447, 182-190.	6.1	27
13	A combined physicochemical and electrocatalytic study of microwave synthesized tungsten mono-carbide nanoparticles on multiwalled carbon nanotubes as a co-catalyst for a proton-exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15706-15717.	7.1	26
14	Synthesis of multiwall carbon nanotubes with a high loading of Pt by a microwave-assisted impregnation method for use in the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2013, 108, 769-775.	5.2	25
15	Microwave-assisted synthesis and characterization of bimetallic PtRu alloy nanoparticles supported on carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2015, 649, 1323-1328.	5.5	22
16	Enhancement of the wear resistance of epoxy coating in presence of MBT-loaded mesoporous silica nanocontainers. <i>Tribology International</i> , 2018, 118, 148-156.	5.9	22
17	Characterization of Mazuj galls of <i>Quercus infectoria</i> tree as green corrosion and scale inhibitor for effective treatment of cooling water systems. <i>Research on Chemical Intermediates</i> , 2018, 44, 2139-2155.	2.7	14
18	Fabrication of graphene oxide-lead oxide epoxy based composite with enhanced chemical resistance, hydrophobicity and thermo-mechanical properties. <i>Advances in Polymer Technology</i> , 2018, 37, 3792-3803.	1.7	14

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19	Electromagnetic interference shielding effectiveness of reinforced composite with graphene oxide-lead oxide hybrid nanosheets. <i>Radiation Effects and Defects in Solids</i> , 2019, 174, 885-898.	1.2	7
20	Optimization of the Urea Removal in a Wearable Dialysis Device Using Nitrogen-Doped and Phosphorus-Doped Graphene. <i>ACS Omega</i> , 2022, 7, 4083-4094.	3.5	6
21	Failure Analysis of Disbondment of Three-Layer Polyethylene Coatings from the Surface of Buried Steel Pipelines. <i>Journal of Failure Analysis and Prevention</i> , 2015, 15, 604-611.	0.9	2
22	The effect of Nb on microstructure, mechanical, and corrosion behavior of low Mn, microalloyed TRIP steel; a comparative study. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 434-443.	1.5	2
23	Investigating the role of the morphology of the Zn-Al LDH on the adsorption of humic acid from aqueous solutions. <i>Water Science and Technology</i> , 2021, 84, 1663-1677.	2.5	2