

# Kakooei S, Saeid Kakooei

## List of Publications by Year in descending order

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49  
papers

1,504  
citations

516710

16  
h-index

345221

36  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1406  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of polypropylene fibers on the properties of reinforced concrete structures. <i>Construction and Building Materials</i> , 2012, 27, 73-77.	7.2	286
2	Reviews on Corrosion Inhibitors: A Short View. <i>Chemical Engineering Communications</i> , 2016, 203, 1145-1156.	2.6	239
3	Halloysite nanotubes as nanocontainer for smart coating application: A review. <i>Progress in Organic Coatings</i> , 2017, 111, 175-185.	3.9	203
4	The corrosion investigation of rebar embedded in the fibers reinforced concrete. <i>Construction and Building Materials</i> , 2012, 35, 564-570.	7.2	120
5	Modeling the tensile stress-strain response of carbon nanotube/polypropylene nanocomposites using nonlinear representative volume element. <i>Materials &amp; Design</i> , 2014, 58, 36-42.	5.1	56
6	Photoelectrochemical behavior of bimetallic Cu-Ni and monometallic Cu, Ni doped TiO <sub>2</sub> for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14031-14038.	7.1	50
7	Highly efficient photocatalytic performance of dye-sensitized K-doped ZnO nanopapers synthesized by a facile one-step electrochemical method for quantitative hydrogen generation. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1599-1606.	2.5	50
8	Development of Iridium Oxide Sensor for Surface pH Measurement of a Corroding Metal under Deposit. <i>International Journal of Electrochemical Science</i> , 2017, 12, 9933-9943.	1.3	44
9	Optimisation of nanooxide mask fabricated by atomic force microscopy nanolithography: a response surface methodology application. <i>Micro and Nano Letters</i> , 2012, 7, 325.	1.3	42
10	Controlling the shape and gap width of silicon electrodes using local anodic oxidation and anisotropic TMAH wet etching. <i>Semiconductor Science and Technology</i> , 2012, 27, 065001.	2.0	40
11	Fabrication of nanogap electrodes via nano-oxidation mask by scanning probe microscopy nanolithography. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2011, 10, 043002.	0.9	38
12	Assessment of immobilized cell reactor and microbial fuel cell for simultaneous cheese whey treatment and lactic acid/electricity production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9107-9115.	7.1	29
13	Acetylation of corn silk and its application for oil sorption. <i>Fibers and Polymers</i> , 2015, 16, 1830-1835.	2.1	28
14	Three Separated Growth Sequences of Vertically-Aligned Carbon Nanotubes on Porous Silicon: Field Emission Applications. <i>International Journal of Electrochemical Science</i> , 2018, 13, 9742-9748.	1.3	25
15	Investigation of CO <sub>2</sub> electrochemical reduction to syngas on Zn/Ni-based electrocatalysts using the cyclic voltammetry method. <i>Electrochimica Acta</i> , 2020, 341, 135976.	5.2	23
16	Acetylation of oil palm empty fruit bunch fiber as an adsorbent for removal of crude oil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11740-11750.	5.3	20
17	Application of carboxylic acid-functionalized of graphene oxide for electrochemical simultaneous determination of tryptophan and tyrosine in milk. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	17
18	A Review of Friction Stir Welding Pin Profile. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 1-18.	0.4	16

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterization of a novel CNT-FeNi <sub>3</sub> /DFNS/Cu magnetic nanocomposite for the photocatalytic degradation of tetracycline in wastewater. RSC Advances, 2019, 9, 35022-35032.	3.6	15
20	Corrosion behavior of ZrO <sub>2</sub> -SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> refractories in lead silicate glass melts. Journal of the European Ceramic Society, 2011, 31, 715-721.	5.7	14
21	The Effect of Friction Coefficient in Thermal Analysis of Friction Stir Welding (FSW). IOP Conference Series: Materials Science and Engineering, 2019, 495, 012102.	0.6	14
22	Effect of additives on slip casting rheology, microstructure and mechanical properties of Si <sub>3</sub> N <sub>4</sub> /SiC composites. Ceramics International, 2020, 46, 6182-6190.	4.8	13
23	Synthesis and characterization of metal ion end capped nanocontainer loaded with duo green corrosion inhibitors. Journal of Materials Research and Technology, 2020, 9, 8350-8354.	5.8	13
24	Numerical investigation and comparison with experimental characterisation of side gate p-type junctionless silicon transistor in pinch-off state. Micro and Nano Letters, 2012, 7, 981-985.	1.3	12
25	Dissimilar Friction Stir Welding of Carbon Steel and Stainless Steel: Some Observation on Microstructural Evolution and Stress Corrosion Cracking Performance. Transactions of the Indian Institute of Metals, 2018, 71, 2553-2564.	1.5	10
26	Laboratory investigation on the condensation and corrosion rates of top of line corrosion in carbon steel: a case study from pipeline transporting wet gas in elevated temperature. Corrosion Engineering Science and Technology, 2018, 53, 444-448.	1.4	9
27	Influence of deposition temperature on the corrosion resistance of electrodeposited zinc-nickel alloy coatings. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 472-482.	0.9	8
28	Influence of temperature and potential range on Zn-Ni deposition properties formed by cyclic voltammetry electrodeposition in chloride bath solution. Corrosion Reviews, 2020, 38, 127-136.	2.0	8
29	Esterification of Corn Silk Fiber to Improve Oil Absorbency. Advanced Materials Research, 0, 1133, 552-556.	0.3	7
30	Microstructure, phase compositions and mechanical properties of slip cast sintered SiC/Si <sub>3</sub> N <sub>4</sub> composites. Ceramics International, 2021, 47, 13173-13180.	4.8	7
31	Formation of Nano-Scale FeCO <sub>3</sub> Protective Corrosion Product in Carbon Dioxide-Saturated 3% Sodium Chloride Solution. Key Engineering Materials, 0, 740, 3-8.	0.4	6
32	Growth of Vertically Aligned ZnO Nanorods Arrays by Hydrothermal Method. Advanced Materials Research, 2013, 795, 616-619.	0.3	5
33	Iridium Oxide pH Sensor Based on Stainless Steel Wire for pH Mapping on Metal Surface. IOP Conference Series: Materials Science and Engineering, 2018, 328, 012014.	0.6	5
34	Smart anticorrosive coatings containing corrosion inhibitor-loaded halloysite nanotubes. , 2019, , 425-447.		5
35	Influence of Heat Treatment on the Corrosion of Carbon Steel in Environment Containing Carbon Dioxide and Acetic Acid. IOP Conference Series: Materials Science and Engineering, 2018, 370, 012039.	0.6	4
36	Corrosion Investigation of Pipeline Steel in Hydrogen Sulfide Containing Solutions. Journal of Applied Sciences, 2012, 12, 2454-2458.	0.3	4

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37	Corrosion protection at the nanoscale. , 2020, , 3-7.		3
38	Container-based smart nanocoatings for corrosion protection. , 2020, , 403-421.		3
39	Surface pH Measurement during CO <sub>2</sub> Corrosion by an IrOx pH Probe. Advanced Materials Research, 2016, 1133, 381-385.	0.3	2
40	Transport Modelling of Multi-Phase Fluid Flow in Porous Media for Enhanced Oil Recovery. Defect and Diffusion Forum, 2020, 400, 38-44.	0.4	2
41	The effect of reaction temperature on the formation of 2H-SiC and 3C-SiC nanowhiskers. Engineering Solid Mechanics, 2020, , 381-388.	1.2	2
42	Investigation of Electrochemical Parameters on Cost-Effective Zn/Ni-Based Electrocatalysts for Electrochemical CO <sub>2</sub> Reduction Reaction to SYNGAS(H <sub>2</sub> +CO). Journal of the Electrochemical Society, 2022, 169, 044519.	2.9	2
43	Electrodeposition of Iridium Oxide by Cyclic Voltammetry: Application of Response Surface Methodology. MATEC Web of Conferences, 2014, 13, 04024.	0.2	1
44	Investigation on Simultaneous Effects of Shot Peen and Austenitizing Time and Temperature on Grain Size and Microstructure of Austenitic Manganese Steel (Hadfield). IOP Conference Series: Materials Science and Engineering, 2018, 328, 012006.	0.6	1
45	Physical and mechanical properties of heat affected zone of dissimilar welds between duplex stainless steel and low carbon steel. AIP Conference Proceedings, 2018, , .	0.4	1
46	Nanomaterials for cathodic protection of metals. , 2020, , 9-18.		1
47	Investigation of Zn/Ni-Based Electrocatalysts for Electrochemical Conversion of CO <sub>2</sub> to SYNGAS. , 0, , .		1
48	Nitriding of Duplex Stainless Steel for Reduction Corrosion and Wear. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 225-234.	1.6	0
49	Corrosion Investigation of Commercially Available Linepipe Steel in CO <sub>2</sub> Environment. International Journal of Engineering and Technology(UAE), 2018, 7, 15.	0.3	0