

Zineb Mekhalif

List of Publications by Year in descending order

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72
papers

1,661
citations

304743
22
h-index

315739
38
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73
all docs

73
docs citations

73
times ranked

1904
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of applied potential on tin content in electrodeposition of Zn–Sn alloy coatings and its effect on corrosion protection. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 899-909.	1.6	3
2	Pulsed electrodeposition of Ag ⁺ doped prosthetic Fluorohydroxyapatite coatings on stainless steel substrates. <i>Materials Science and Engineering C</i> , 2021, 118, 111325.	7.3	7
3	Nano-graphene-platelet/Brilliant-green composite coated carbon paste electrode interface for electrocatalytic oxidation of flavanone Hesperidin. <i>Microchemical Journal</i> , 2021, 160, 105768.	4.5	35
4	Simultaneous formation of CuO nanoflowers and semi-spherical nanoparticles onto MWCNT surface. <i>Emergent Materials</i> , 2021, 4, 403-411.	5.7	7
5	The effect of iron decorated MWCNTs and iron–ionic liquid decorated MWCNTs onto thermal decomposition of ammonium perchlorate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1607-1619.	1.2	25
6	Methylene Blue Dye Removal Through Adsorption Onto Amorphous BaO Nanoparticles Decorated MWCNTs. <i>Materials Horizons</i> , 2021, , 231-240.	0.6	0
7	MWCNT/Nileblue Heterostructured Composite Electrode for Flavanone Naringenin Quantification in Fruit Juices. <i>Electroanalysis</i> , 2020, 32, 939-948.	2.9	23
8	Efficient and highly selective adsorption of cationic dyes and removal of ciprofloxacin antibiotic by surface modified nickel sulfide nanomaterials: Kinetics, isotherm and adsorption mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124264.	4.7	122
9	Polypyrrole: a reactive and functional conductive polymer for the selective electrochemical detection of heavy metals in water. <i>Emergent Materials</i> , 2020, 3, 815-839.	5.7	28
10	Polypyrrole-Wrapped Carbon Nanotube Composite Films Coated on Diazonium-Modified Flexible ITO Sheets for the Electroanalysis of Heavy Metal Ions. <i>Sensors</i> , 2020, 20, 580.	3.8	34
11	Assessment of Catalyst Selectivity in Carbon-Nanotube Silylation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 109.	2.5	3
12	Lanthanum Hydroxide Nanoparticles/Multi-Wall Carbon Nanotubes Nanocomposites. <i>Springer Proceedings in Materials</i> , 2020, , 25-34.	0.3	3
13	Use of pyrophosphate and boric acid additives in the copper-zinc alloy electrodeposition and chemical dealloying. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113310.	3.8	15
14	Copper–zinc alloy electrodeposition mediated by triethanolamine as a complexing additive and chemical dealloying. <i>Electrochimica Acta</i> , 2019, 319, 400-409.	5.2	14
15	Differently substituted aniline functionalized MWCNTs to anchor oxides of Bi and Ni nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 299-314.	9.1	9
16	A Comparative Study of the Electro-Assisted Grafting of Mono- and Bi-Phosphonic Acids on Nitinol. <i>Surfaces</i> , 2019, 2, 520-530.	2.3	0
17	Voltammetric Study and Rapid Quantification of Resorcinol in Hair Dye and Biological Samples Using Ultrasensitive Maghemite/MWCNT Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2019, 31, 1363-1372.	2.9	62
18	Electrografting of mixed organophosphonic monolayers for SI-ATRP of 2-methacryloyloxyethyl phosphorylcholine. <i>Journal of Coatings Technology Research</i> , 2019, 16, 1121-1132.	2.5	7

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19	Carbon paste modified with Bi decorated multi-walled carbon nanotubes and CTAB as a sensitive voltammetric sensor for the detection of Caffeic acid. <i>Microchemical Journal</i> , 2019, 146, 73-82.	4.5	89
20	Synthesis and characterization of maghemite nanocrystals decorated multi-wall carbon nanotubes for methylene blue dye removal. <i>Journal of Materials Science</i> , 2019, 54, 200-216.	3.7	32
21	Multi-wall Carbon Nanotubes Decorated with Bismuth Oxide Nanocrystals Using Infrared Irradiation and Diazonium Chemistry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1402-1413.	3.7	10
22	Two-Step Nanoscale Approach for Well-Defined Complex Alkanethiol Films on Au Surfaces. <i>Langmuir</i> , 2018, 34, 66-72.	3.5	6
23	Nitinol Modified by In Situ Generated Diazonium Salts as Adhesion Promoters for Photopolymerized Pyrrole. <i>ChemistrySelect</i> , 2018, 3, 11800-11808.	1.5	1
24	Multi-wall Carbon Nanotubes Decorated with Barium Oxide Nanoparticles. <i>Synthesis and Catalysis Open Access</i> , 2018, 03, .	0.4	4
25	Morphology and Crystallinity of Electrodeposited Copper Particles on Nickel Controlled by Induction Heating. <i>Chemistry Africa</i> , 2018, 1, 155-165.	2.4	2
26	Electrodeposition of Crystalline Aluminium on Carbon Steel in Aluminium Chloride "Trimethylphenyl Ammonium Chloride Ionic Liquid. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2018, 54, 652-661.	1.1	4
27	Plasma Treatment of Metal Oxide Nanoparticles: Development of Core-Shell Structures for a Better and Similar Dispersibility. <i>ACS Applied Nano Materials</i> , 2018, 1, 3464-3473.	5.0	28
28	Electroassisted Functionalization of Nitinol Surface, a Powerful Strategy for Polymer Coating through Controlled Radical Surface Initiation. <i>Langmuir</i> , 2017, 33, 2977-2985.	3.5	4
29	Decoration of tricarboxylic and monocarboxylic aryl diazonium functionalized multi-wall carbon nanotubes with iron nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 9648-9660.	3.7	29
30	Electroassisted Auto-Assembly of Alkylphosphonic Acids Monolayers on Nitinol. <i>Journal of the Electrochemical Society</i> , 2016, 163, G173-G177.	2.9	4
31	Grafting of 4-pyrrolyphenyldiazonium in situ generated on NiTi, an adhesion promoter for pyrrole electropolymerisation?. <i>Electrochimica Acta</i> , 2016, 211, 879-890.	5.2	14
32	Induction heating to trigger the nickel surface modification by in situ generated 4-carboxybenzene diazonium. <i>Applied Surface Science</i> , 2016, 370, 320-327.	6.1	4
33	1-Pyrrolyl-10-decylammoniumphosphonate monolayer: a molecular nanolink between electropolymerized pyrrole films and nickel or titanium surfaces. <i>Electrochimica Acta</i> , 2015, 170, 218-228.	5.2	10
34	Iron nanoparticles decorated multi-wall carbon nanotubes modified carbon paste electrode as an electrochemical sensor for the simultaneous determination of uric acid in the presence of ascorbic acid, dopamine and l-tyrosine. <i>Materials Science and Engineering C</i> , 2015, 57, 328-337.	7.3	79
35	Nitinol Modified by In Situ Generated Diazonium from Its Nitro Precursor for the SI-ATRP of 2-Hydroxyethyl Methacrylate. <i>Journal of the Electrochemical Society</i> , 2015, 162, G94-G102.	2.9	8
36	Electrochemical Co-Deposition of Phosphonate-Modified Carbon Nanotubes and Tantalum on Nitinol. <i>ChemElectroChem</i> , 2014, 1, 896-902.	3.4	4

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37	Electrochemical Investigation of Nitinol/Tantalum Hybrid Surfaces Modified by Alkylphosphonic Self-Assembled Monolayers. <i>Electrochimica Acta</i> , 2014, 116, 78-88.	5.2	20
38	Polyelectrolyte Multilayers Deposition on Nitinol Modified by In Situ Generated Diazonium in Gentle Conditions. <i>Journal of the Electrochemical Society</i> , 2014, 161, G55-G62.	2.9	8
39	Phynox Improved Corrosion Resistance with MPC Initiated from Mixed Monolayers of Phosphonic Acids. <i>Journal of the Electrochemical Society</i> , 2014, 161, C544-C549.	2.9	4
40	Silylesterification of oxidized multi-wall carbon nanotubes by catalyzed dehydrogenative cross-coupling between carboxylic and hydrosilane functions. <i>Applied Surface Science</i> , 2014, 305, 301-308.	6.1	4
41	Synergistic Effect on Corrosion Resistance of Phynox Substrates Grafted with Surface-Initiated ATRP (Co)polymerization of 2-Methacryloyloxyethyl Phosphorylcholine (MPC) and 2-Hydroxyethyl Methacrylate (HEMA). <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10060-10071.	8.0	23
42	Self-assembly mechanism of thiol, dithiol, dithiocarboxylic acid, disulfide and diselenide on gold: an electrochemical impedance study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16648.	2.8	15
43	Electrografting of in situ generated pyrrole derivative diazonium salt for the surface modification of nickel. <i>Electrochimica Acta</i> , 2013, 109, 781-789.	5.2	20
44	Sol-gel synthesis of tantalum oxide and phosphonic acid-modified carbon nanotubes composite coatings on titanium surfaces. <i>Materials Science and Engineering C</i> , 2013, 33, 2686-2697.	7.3	23
45	Study of the formation process and the characteristics of tantalum layers electrodeposited on Nitinol plates in the 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquid. <i>Electrochimica Acta</i> , 2013, 89, 346-358.	5.2	17
46	Chitosan and Alginate Layer-by-Layer Assembly on Phynox (Co-Cr Alloy) Surface Modified by Alkylcarboxylic ammoniumphosphonate Derivatives. <i>Journal of the Electrochemical Society</i> , 2013, 160, H820-H828.	2.9	5
47	Effect of infrared irradiation on immobilization of ZnO nanocrystals on multiwalled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	7
48	Polyelectrolyte Multilayer Deposition on Nickel Modified with Self-Assembled Monolayers of Organophosphonic Acids for Biomaterials: Electrochemical and Spectroscopic Evaluation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19252-19261.	3.1	10
49	Are stirring and sonication pre-dispersion methods equivalent for in vitro toxicology evaluation of SiC and TiC?. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	18
50	Induction Heating Vs Conventional Heating for the Hydrothermal Treatment of Nitinol and Its Subsequent 2-(Methacryloyloxy)ethyl 2-(trimethylammonio)ethyl Phosphate Coating by Surface-Initiated Atom Transfer Radical Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4059-4066.	8.0	26
51	Self-Assembled Monolayer Formation on Copper: A Real Time Electrochemical Impedance Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18202-18207.	3.1	17
52	Functionalization of Nitinol surface toward a versatile platform for post-grafting chemical reactions. <i>Electrochimica Acta</i> , 2011, 56, 8129-8137.	5.2	14
53	Effects of the dispersion methods in Pluronic F108 on the size and the surface composition of MWCNTs and their implications in toxicology assessment. <i>Journal of Nanoparticle Research</i> , 2011, 13, 655-667.	1.9	26
54	The use of water-soluble pyrene derivatives to probe the surface of carbon nanotubes. <i>Carbon</i> , 2011, 49, 2935-2943.	10.3	11

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55	Infrared irradiation controlled decoration of multiwalled carbon nanotubes with copper/copper oxide nanocrystals. <i>Acta Materialia</i> , 2011, 59, 5040-5047.	7.9	34
56	Grafting of bifunctional phosphonic and carboxylic acids on Phynox: Impact of induction heating. <i>Applied Surface Science</i> , 2011, 257, 6152-6162.	6.1	13
57	Exploratory study of copper particles electrodeposition on nickel by induction heating. <i>Electrochimica Acta</i> , 2011, 56, 4953-4959.	5.2	8
58	Anchoring of alkylphosphonic derivatives molecules on copper oxide surfaces. <i>Applied Surface Science</i> , 2011, 257, 6300-6307.	6.1	41
59	Induction vs. Conventional Heating: Impact on the Morphology and Crystallinity of Copper Electrodeposits on Nickel. <i>Journal of the Electrochemical Society</i> , 2011, 158, E111.	2.9	5
60	Electrochemical and spectroscopic study of C12H25X molecules adsorption on copper sheets, X (â€“SH,) Tj ETQq0,0,0 rgBT /Qverlock 1	5.2	18
61	Thiol versus Selenol SAMs as Nucleation Enhancers and Adhesion Promoters for Plasma Polymerized Pyrrole on Copper Substrates. <i>Plasma Processes and Polymers</i> , 2010, 7, 601-609.	3.0	8
62	Surface State of Carbon Nanotubes and Hansen Solubility Parameters. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6015-6025.	0.9	45
63	Grafting PEG Fragments on Phynox Substrates Modified with 11-Phosphoundecanoic Acid. <i>Journal of the Electrochemical Society</i> , 2009, 156, P177.	2.9	12
64	Influence of organic additives on the initial stages of copper electrodeposition on polycrystalline platinum. <i>Electrochimica Acta</i> , 2009, 54, 1529-1536.	5.2	61
65	Undec-10-ene-1-thiol multifunctional molecular layer as a junction between metallic zinc and polymer coatings on steel. <i>Electrochimica Acta</i> , 2009, 54, 6464-6471.	5.2	9
66	Alkanethiol-oxidized copper interface: The critical influence of concentration. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 333-338.	9.4	63
67	Electropolymerization of pyrrole on silanized polycrystalline titanium substrates. <i>Applied Surface Science</i> , 2008, 254, 4056-4062.	6.1	15
68	Monolayers and mixed-layers on copper towards corrosion protection. <i>Electrochimica Acta</i> , 2008, 53, 4228-4238.	5.2	78
69	Multifunctional hybrid coating on titanium towards hydroxyapatite growth: Electrodeposition of tantalum and its molecular functionalization with organophosphonic acids films. <i>Electrochimica Acta</i> , 2008, 53, 5632-5638.	5.2	37
70	Electrochemical synthesis and characterization of N-substituted polypyrrole derivatives on nickel. <i>Electrochimica Acta</i> , 2007, 52, 4334-4341.	5.2	48
71	pH sensitivity of nanocrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2925-2930.	1.8	9
72	Self-Assembled Monolayers of n-Dodecanethiol on Electrochemically Modified Polycrystalline Nickel Surfaces. <i>Langmuir</i> , 1997, 13, 2285-2290.	3.5	160