Zineb Mekhalif

List of Publications by Year
in descending order

72	1,661	304743	315739
papers	citations	22 h-index	38 g-index

73	73	73	1904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Assembled Monolayers of n-Dodecanethiol on Electrochemically Modified Polycrystalline Nickel Surfaces. Langmuir, 1997, 13, 2285-2290.	3.5	160
2	Efficient and highly selective adsorption of cationic dyes and removal of ciprofloxacin antibiotic by surface modified nickel sulfide nanomaterials: Kinetics, isotherm and adsorption mechanism. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124264.	4.7	122
3	Carbon paste modified with Bi decorated multi-walled carbon nanotubes and CTAB as a sensitive voltammetric sensor for the detection of Caffeic acid. Microchemical Journal, 2019, 146, 73-82.	4.5	89
4	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. Materials Science and Engineering C, 2015, 57, 328-337.	7.3	79
5	Monolayers and mixed-layers on copper towards corrosion protection. Electrochimica Acta, 2008, 53, 4228-4238.	5.2	78
6	Alkanethiol-oxidized copper interface: The critical influence of concentration. Journal of Colloid and Interface Science, 2008, 326, 333-338.	9.4	63
7	Voltammetric Study and Rapid Quantification of Resorcinol in Hair Dye and Biological Samples Using Ultrasensitive Maghemite/MWCNT Modified Carbon Paste Electrode. Electroanalysis, 2019, 31, 1363-1372.	2.9	62
8	Influence of organic additives on the initial stages of copper electrodeposition on polycrystalline platinum. Electrochimica Acta, 2009, 54, 1529-1536.	5.2	61
9	Electrochemical synthesis and characterization of N-substituted polypyrrole derivatives on nickel. Electrochimica Acta, 2007, 52, 4334-4341.	5.2	48
10	Surface State of Carbon Nanotubes and Hansen Solubility Parameters. Journal of Nanoscience and Nanotechnology, 2009, 9, 6015-6025.	0.9	45
11	Anchoring of alkylphosphonic derivatives molecules on copper oxide surfaces. Applied Surface Science, 2011, 257, 6300-6307.	6.1	41
12	Multifunctional hybrid coating on titanium towards hydroxyapatite growth: Electrodeposition of tantalum and its molecular functionalization with organophosphonic acids films. Electrochimica Acta, 2008, 53, 5632-5638.	5.2	37
13	Nano-graphene-platelet/Brilliant-green composite coated carbon paste electrode interface for electrocatalytic oxidation of flavanone Hesperidin. Microchemical Journal, 2021, 160, 105768.	4.5	35
14	Infrared irradiation controlled decoration of multiwalled carbon nanotubes with copper/copper oxide nanocrystals. Acta Materialia, 2011, 59, 5040-5047.	7.9	34
15	Polypyrrole-Wrapped Carbon Nanotube Composite Films Coated on Diazonium-Modified Flexible ITO Sheets for the Electroanalysis of Heavy Metal Ions. Sensors, 2020, 20, 580.	3.8	34
16	Synthesis and characterization of maghemite nanocrystals decorated multi-wall carbon nanotubes for methylene blue dye removal. Journal of Materials Science, 2019, 54, 200-216.	3.7	32
17	Decoration of tricarboxylic and monocarboxylic aryl diazonium functionalized multi-wall carbon nanotubes with iron nanoparticles. Journal of Materials Science, 2017, 52, 9648-9660.	3.7	29
18	Plasma Treatment of Metal Oxide Nanoparticles: Development of Coreâ€“Shell Structures for a Better and Similar Dispersibility. ACS Applied Nano Materials, 2018, 1, 3464-3473.	5.0	28

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19	Polypyrrole: a reactive and functional conductive polymer for the selective electrochemical detection of heavy metals in water. Emergent Materials, 2020, 3, 815-839.	5.7	28
20	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. ACS Applied Materials & Interfaces, 2011, 3, 4059-4066.	8.0	26
21	Effects of the dispersion methods in Pluronic F108 on the size and the surface composition of MWCNTs and their implications in toxicology assessment. Journal of Nanoparticle Research, 2011, 13, 655-667.	1.9	26
22	The effect of iron decorated MWCNTs and ironâ€ionic liquid decorated MWCNTs onto thermal decomposition of ammonium perchlorate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1607-1619.	1.2	25
23	Solâ€“gel synthesis of tantalum oxide and phosphonic acid-modified carbon nanotubes composite coatings on titanium surfaces. Materials Science and Engineering C, 2013, 33, 2686-2697.	7.3	23
24	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). ACS Applied Materials & Interfaces, 2014, 6, 10060-10071.	8.0	23
25	MWCNT/Nileblue Heterostructured Composite Electrode for Flavanone Naringenin Quantification in Fruit Juices. Electroanalysis, 2020, 32, 939-948.	2.9	23
26	Electrografting of in situ generated pyrrole derivative diazonium salt for the surface modification of nickel. Electrochimica Acta, 2013, 109, 781-789.	5.2	20
27	Electrochemical Investigation of Nitinol/Tantalum Hybrid Surfaces Modified by Alkylphosphonic Self-Assembled Monolayers. Electrochimica Acta, 2014, 116, 78-88.	5.2	20
28	Electrochemical and spectroscopic study of C12H25X molecules adsorption on copper sheets, X (â€“SH,) Tj ETQq0 0 0 rgBT /Overlock 1	5.2	18
29	Are stirring and sonication pre-dispersion methods equivalent for in vitro toxicology evaluation of SiC and TiC?. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	18
30	Self-Assembled Monolayer Formation on Copper: A Real Time Electrochemical Impedance Study. Journal of Physical Chemistry C, 2011, 115, 18202-18207.	3.1	17
31	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. Electrochimica Acta, 2013, 89, 346-358.	5.2	17
32	Electropolymerization of pyrrole on silanized polycrystalline titanium substrates. Applied Surface Science, 2008, 254, 4056-4062.	6.1	15
33	Self-assembly mechanism of thiol, dithiol, dithiocarboxylic acid, disulfide and diselenide on gold: an electrochemical impedance study. Physical Chemistry Chemical Physics, 2013, 15, 16648.	2.8	15
34	Use of pyrophosphate and boric acid additives in the copper-zinc alloy electrodeposition and chemical dealloying. Journal of Electroanalytical Chemistry, 2019, 848, 113310.	3.8	15
35	Functionalization of Nitinol surface toward a versatile platform for post-grafting chemical reactions. Electrochimica Acta, 2011, 56, 8129-8137.	5.2	14
36	Grafting of 4-pyrrolyphenyldiazonium in situ generated on NiTi, an adhesion promoter for pyrrole electropolymerisation?. Electrochimica Acta, 2016, 211, 879-890.	5.2	14

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37	Copperâ€“zinc alloy electrodeposition mediated by triethanolamine as a complexing additive and chemical dealloying. Electrochimica Acta, 2019, 319, 400-409.	5.2	14
38	Grafting of bifunctional phosphonic and carboxylic acids on Phynox: Impact of induction heating. Applied Surface Science, 2011, 257, 6152-6162.	6.1	13
39	Grafting PEG Fragments on Phynox Substrates Modified with 11-Phosphoundecanoic Acid. Journal of the Electrochemical Society, 2009, 156, P177.	2.9	12
40	The use of water-soluble pyrene derivatives to probe the surface of carbon nanotubes. Carbon, 2011, 49, 2935-2943.	10.3	11
41	Polyelectrolyte Multilayer Deposition on Nickel Modified with Self-Assembled Monolayers of Organophosphonic Acids for Biomaterials: Electrochemical and Spectroscopic Evaluation. Journal of Physical Chemistry C, 2012, 116, 19252-19261.	3.1	10
42	1-Pyrrolyl-10-decylammoniumphosphonate monolayer: a molecular nanolink between electropolymerized pyrrole films and nickel or titanium surfaces. Electrochimica Acta, 2015, 170, 218-228.	5.2	10
43	Multi-wall Carbon Nanotubes Decorated with Bismuth Oxide Nanocrystals Using Infrared Irradiation and Diazonium Chemistry. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1402-1413.	3.7	10
44	pH sensitivity of nanocrystalline diamond films. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2925-2930.	1.8	9
45	Undec-10-ene-1-thiol multifunctional molecular layer as a junction between metallic zinc and polymer coatings on steel. Electrochimica Acta, 2009, 54, 6464-6471.	5.2	9
46	Differently substituted aniline functionalized MWCNTs to anchor oxides of Bi and Ni nanoparticles. Journal of Nanostructure in Chemistry, 2019, 9, 299-314.	9.1	9
47	Thiol versus Selenol SAMs as Nucleation Enhancers and Adhesion Promoters for Plasma Polymerized Pyrrole on Copper Substrates. Plasma Processes and Polymers, 2010, 7, 601-609.	3.0	8
48	Exploratory study of copper particles electrodeposition on nickel by induction heating. Electrochimica Acta, 2011, 56, 4953-4959.	5.2	8
49	Polyelectrolyte Multilayers Deposition on Nitinol Modified by In Situ Generated Diazonium in Gentle Conditions. Journal of the Electrochemical Society, 2014, 161, G55-G62.	2.9	8
50	Nitinol Modified by In Situ Generated Diazonium from Its Nitro Precursor for the SI-ATRP of 2-Hydroxyethyl Methacrylate. Journal of the Electrochemical Society, 2015, 162, G94-G102.	2.9	8
51	Effect of infrared irradiation on immobilization of ZnO nanocrystals on multiwalled carbon nanotubes. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	7
52	Electrografting of mixed organophosphonic monolayers for SI-ATRP of 2-methacryloyloxyethyl phosphorylcholine. Journal of Coatings Technology Research, 2019, 16, 1121-1132.	2.5	7
53	Pulsed electrodeposition of Ag+ doped prosthetic Fluorohydroxyapatite coatings on stainless steel substrates. Materials Science and Engineering C, 2021, 118, 111325.	7.3	7
54	Simultaneous formation of CuO nanoflowers and semi-spherical nanoparticles onto MWCNT surface. Emergent Materials, 2021, 4, 403-411.	5.7	7

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55	Two-Step Nanoscale Approach for Well-Defined Complex Alkanethiol Films on Au Surfaces. Langmuir, 2018, 34, 66-72.	3.5	6
56	Induction vs. Conventional Heating: Impact on the Morphology and Crystallinity of Copper Electrodeposits on Nickel. Journal of the Electrochemical Society, 2011, 158, E111.	2.9	5
57	Chitosan and Alginate Layer-by-Layer Assembly on Phynox (Co-Cr Alloy) Surface Modified by Alkylcarboxylicammoniumphosphonate Derivatives. Journal of the Electrochemical Society, 2013, 160, H820-H828.	2.9	5
58	Electrochemical Coâ€Deposition of Phosphonateâ€Modified Carbon Nanotubes and Tantalum on Nitinol. ChemElectroChem, 2014, 1, 896-902.	3.4	4
59	Phynox Improved Corrosion Resistance with MPC Initiated from Mixed Monolayers of Phosphonic Acids. Journal of the Electrochemical Society, 2014, 161, C544-C549.	2.9	4
60	Silylesterification of oxidized multi-wall carbon nanotubes by catalyzed dehydrogenative cross-coupling between carboxylic and hydrosilane functions. Applied Surface Science, 2014, 305, 301-308.	6.1	4
61	Electroassisted Auto-Assembly of Alkylphosphonic Acids Monolayers on Nitinol. Journal of the Electrochemical Society, 2016, 163, G173-G177.	2.9	4
62	Induction heating to trigger the nickel surface modification by in situ generated 4-carboxybenzene diazonium. Applied Surface Science, 2016, 370, 320-327.	6.1	4
63	Electroassisted Functionalization of Nitinol Surface, a Powerful Strategy for Polymer Coating through Controlled Radical Surface Initiation. Langmuir, 2017, 33, 2977-2985.	3.5	4
64	Multi-wall Carbon Nanotubes Decorated with Barium Oxide Nanoparticles. Synthesis and Catalysis Open Access, 2018, 03, .	0.4	4
65	Electrodeposition of Crystalline Aluminium on Carbon Steel in Aluminium Chloride â€" Trimethylphenyl Ammonium Chloride Ionic Liquid. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 652-661.	1.1	4
66	Assessment of Catalyst Selectivity in Carbon-Nanotube Silylesterification. Applied Sciences (Switzerland), 2020, 10, 109.	2.5	3
67	Lanthanum Hydroxide Nanoparticles/Multi-Wall Carbon Nanotubes Nanocomposites. Springer Proceedings in Materials, 2020, , 25-34.	0.3	3
68	Influence of applied potential on tin content in electrodeposition of Znâ€"Sn alloy coatings and its effect on corrosion protection. Inorganic and Nano-Metal Chemistry, 2022, 52, 899-909.	1.6	3
69	Morphology and Crystallinity of Electrodeposited Copper Particles on Nickel Controlled by Induction Heating. Chemistry Africa, 2018, 1, 155-165.	2.4	2
70	Nitinol Modified by In Situ Generated Diazonium Salts as Adhesion Promoters for Photopolymerized Pyrrole. ChemistrySelect, 2018, 3, 11800-11808.	1.5	1
71	A Comparative Study of the Electro-Assisted Grafting of Mono- and Bi-Phosphonic Acids on Nitinol. Surfaces, 2019, 2, 520-530.	2.3	0
72	Methylene Blue Dye Removal Through Adsorption Onto Amorphous BaO Nanoparticles Decorated MWCNTs. Materials Horizons, 2021, , 231-240.	0.6	0