Alaa Fahmy

List of Publications by Year in descending order

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48 papers	774 citations	430874 18 h-index	610901 24 g-index
48 all docs	48 docs citations	48 times ranked	638 citing authors

#	Article	IF	Citations
1	Waterborne nano-emulsions of polyvinyl acetate-polyurethane coatings containing different types of vinyl monomers: synthesis and characterization. Pigment and Resin Technology, 2023, 52, 7-18.	0.9	5
2	Degradation of local Brilliant Blue R dye in presence of polyvinylidene fluoride/MWCNTs/TiO2 as photocatalysts and plasma discharge. Journal of Environmental Chemical Engineering, 2022, 10, 106854.	6.7	17
3	Structure of plasmaâ€deposited copolymer films prepared from acrylic acid and styrene: Part III sulfonation and electrochemical properties. Plasma Processes and Polymers, 2022, 19, .	3.0	3
4	Impact of Starch Coating Embedded with Silver Nanoparticles on Strawberry Storage Time. Polymers, 2022, 14, 1439.	4.5	16
5	Photo-curable carboxymethylcellulose composite hydrogel as a promising biomaterial for biomedical applications. International Journal of Biological Macromolecules, 2022, 207, 1011-1021.	7.5	8
6	Effect of Chitosan Nanoparticles as Edible Coating on the Storability and Quality of Apricot Fruits. Polymers, 2022, 14, 2227.	4.5	12
7	Graphene Oxide/Polyvinyl Alcoholâ€“Formaldehyde Composite Loaded by Pb Ions: Structure and Electrochemical Performance. Polymers, 2022, 14, 2303.	4.5	3
8	One-step plasma deposited thin SiO_xC_y films for corrosion resistance of low carbon steel. Journal of Adhesion Science and Technology, 2021, 35, 1734-1751.	2.6	11
9	Modified polyvinyl chloride membrane grafted with an ultra-thin polystyrene film: structure and electrochemical properties. Journal of Materials Research and Technology, 2021, 12, 2273-2284.	5.8	6
10	Recycling of supported nanocomposites for hazardous industrial wastewater treatment via Solar photocatalytic process. Egyptian Journal of Petroleum, 2021, 30, 29-35.	2.6	20
11	Novel PVA/Methoxytrimethylsilane elastic composite membranes: preparation, characterization and DFT computation. Journal of Molecular Structure, 2021, 1235, 130173.	3.6	10
12	Influence of pH values on the electrochemical performance of low carbon steel coated by plasma thin SiO C films. Arabian Journal of Chemistry, 2021, 14, 103391.	4.9	18
13	Degradation of organic dye using plasma discharge: optimization, pH and energy. Plasma Research Express, 2020, 2, 015009.	0.9	21
14	Assessment of vinyl acetate polyurethane-based graft terpolymers for emulsion coatings: Synthesis and characterization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 229-243.	2.2	12
15	Structure/property relationship of polyvinyl alcohol/dimethoxydimethylsilane composite membrane: Experimental and theoretical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117810.	3.9	22
16	High performance graphene-based PVF foam for lead removal from water. Journal of Materials Research and Technology, 2020, 9, 11861-11875.	5.8	20
17	Effect of Silver Nanoparticles on the Dielectric Properties and the Homogeneity of Plasma Poly(acrylic acid) Thin Films. Journal of Physical Chemistry C, 2020, 124, 22817-22826.	3.1	14
18	PLASMA POWER IMPACT ON ELECTROCHEMICAL PERFORMANCE OF LOW CARBON STEEL COATED BY PLASMA THIN TEOS FILMS. Al-Azhar Bulletin of Science, 2020, 31, 51-58.	0.1	9

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19	Porous polyvinyl formaldehyde / MWCNTs foam for Pb+2 removal from water. Egyptian Journal of Chemistry, 2020, .	0.2	1
20	A new route for synthesis of polyurethane vinyl acetate acrylate emulsions as binders for pigment printing of cotton fabrics. Egyptian Journal of Chemistry, 2020, .	0.2	4
21	Enhancement of Poly(vinyl chloride) Electrolyte Membrane by Its Exposure to an Atmospheric Dielectric Barrier Discharge Followed by Grafting with Polyacrylic Acid. Plasma Chemistry and Plasma Processing, 2019, 39, 1499-1517.	2.4	23
22	Surface modification of polyvinyl chloride by polyacrylic acid graftas a polyelectrolyte membrane using Ar plasma. Turkish Journal of Chemistry, 2019, 43, 1686-1696.	1.2	12
23	Synergistic Effect between Natural Honey and 0.1 M KI as Green Corrosion Inhibitor for Steel in Acid Medium. Zeitschrift Fur Physikalische Chemie, 2019, 233, 627-649.	2.8	32
24	Synthesis and biological activities of polymerâ€“thorium (IV) nanocomposites. Polymer Composites, 2019, 40, 1939-1950.	4.6	2
25	Plasma O2modifies the structure of synthetic zeolite-A to improve the removalof cadmium ions from aqueous solutions. Turkish Journal of Chemistry, 2019, 43, 172-184.	1.2	10
26	POLYVINYL CHLORIDE MEMBRANES GRAFTING WITH POLYACRYLIC ACID VIA AR-PLASMA TREATMENT. Al-Azhar Bulletin of Science, 2019, 30, 81-89.	0.1	4
27	Thermo-and pH-sensitive hydrogel membranes composed of poly(N-isopropylacrylamide)-hyaluronan for biomedical applications: Influence of hyaluronan incorporation on the membrane properties. International Journal of Biological Macromolecules, 2018, 106, 158-167.	7.5	37
28	Modeling and optimizing Acid Orange 142 degradation in aqueous solution by non-thermal plasma. Chemosphere, 2018, 210, 102-109.	8.2	35
29	XPS and IR studies of plasma polymers layer deposited from allylamine with addition of ammonia. Applied Surface Science, 2018, 458, 1006-1017.	6.1	24
30	Comparative study between the analgesic effects of transversus abdominis plane block and caudal block in lower abdominal surgeries in pediatrics compared with general anesthesia. Al-Azhar Assiut Medical Journal, 2018, 16, 405.	0.0	0
31	Tuned interactions of silver nanoparticles with ZSM-5 zeolite by adhesion-promoting poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc 2641-2656.	2.6	14
32	One-step synthesis of silver nanoparticles embedded with polyethylene glycol as thin films. Journal of Adhesion Science and Technology, 2017, 31, 1422-1440.	2.6	16
33	Influence of poloxmer on the dissolution properties of mosapride and its pharmaceutical tablet formulation. Egyptian Journal of Chemistry, 2017, 60, 443-451.	0.2	6
34	Ultra-Thin Films of Poly(acrylic acid)/Silver Nanocomposite Coatings for Antimicrobial Applications. Journal of Spectroscopy, 2016, 2016, 1-11.	1.3	33
35	Reaction of CO2Gas with (radicals in) Plasma-Polymerized Acrylic Acid (and Formation of COOH-Rich) Tj ETQq1 1 0.784314 rgBT /Ove	3.0	17
36	Plasma polymerized allyl alcohol/O2 thin films embedded with silver nanoparticles. Thin Solid Films, 2016, 616, 339-347.	1.8	20

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37	Poly(vinyl alcohol)-hyaluronic Acid Membranes for Wound Dressing Applications: Synthesis andin vitroBio-Evaluations. Journal of the Brazilian Chemical Society, 2015, , .	0.6	15
38	Influence of water addition on the structure of plasma-deposited allyl alcohol polymer films. Journal of Adhesion Science and Technology, 2015, 29, 965-980.	2.6	18
39	Structure of Plasma Poly(Acrylic Acid): Influence of Pressure and Dielectric Properties. Plasma Chemistry and Plasma Processing, 2015, 35, 303-320.	2.4	20
40	Silver/Polyethylene Glycol Nanocomposite Thin Films and its Biological Applications. Journal of Advances in Chemistry, 2015, 11, 3597-3608.	0.1	9
41	Reaction of Water with (Radicals in) Plasma Polymerized Allyl Alcohol (and Formation of OH-Rich) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	21
42	Degradation behavior of thin polystyrene films on exposure to Ar plasma and its emitted radiation. Journal of Adhesion Science and Technology, 2013, 27, 324-338.	2.6	24
43	Structure of Plasmaâ€Deposited Copolymer Films Prepared from Acrylic Acid and Styrene: Part <scp>II</scp> Variation of the Comonomer Ratio. Plasma Processes and Polymers, 2013, 10, 750-760.	3.0	19
44	The electrical characteristics of nanostructured Copper (I) Iodide (CuI) thin films sprayed at different substrate temperatures. , 2012, , .		1
45	Structure of Plasmaâ€Deposited Copolymer Films Prepared from Acrylic Acid and Styrene: Part I Dependence on the Duty Cycle. Plasma Processes and Polymers, 2012, 9, 273-284.	3.0	31
46	Surface and Bulk Structure of Thin Spin Coated and Plasma-Polymerized Polystyrene Films. Plasma Chemistry and Plasma Processing, 2012, 32, 767-780.	2.4	25
47	Structureâ€"Property Relationship of Thin Plasma Deposited Poly(allyl alcohol) Films. Plasma Chemistry and Plasma Processing, 2011, 31, 477-498.	2.4	19
48	Structure of Plasmaâ€Deposited Poly(acrylic acid) Films. Plasma Processes and Polymers, 2011, 8, 147-159.	3.0	55