Abdolreza Mirmohseni

List of Publications by Year
in descending order

39 papers	1,184 citations	471509 17 h-index	377865 34 g-index
39 all docs	39 docs citations	39 times ranked	1436 citing authors

#	Article	IF	Citations
1	Application of polydimethylsiloxane/ acrylic resins coated quartz crystal nano balance sensor for detection of glyphosate pesticide. International Journal of Environmental Analytical Chemistry, 2020, 100, 733-745.	3.3	4
2	Effectiveness of PANI/Cu/TiO₂ ternary nanocomposite on antibacterial and antistatic behaviors in polyurethane coatings. Journal of Applied Polymer Science, 2020, 137, 48825.	2.6	6
3	Cationic graphene oxide nanosheets intercalated with polyaniline nanofibers: A promising candidate for simultaneous anticorrosion, antistatic, and antibacterial applications. Progress in Organic Coatings, 2020, 139, 105419.	3.9	27
4	Evaluation of in vitro anti-fungal properties of allicin loaded ion cross-linked poly (AA-co-AAm)/PVA/Cloisite 15A Nanocomposite hydrogel films as wound dressing materials. Journal of Polymer Research, 2020, 27, 1.	2.4	19
5	Polyamidoamines based on castor oilâ€styrene coâ€oligomer/triethylenetetramine as curing agents in highâ€performance epoxy coatings. Journal of Applied Polymer Science, 2020, 137, 49082.	2.6	3
6	Ion crosslinked poly(acrylic acidâ€coâ€acrylamide)/poly(vinyl alcohol)/Cloisite 15<scp>A</scp> nanocomposite hydrogels as potential wound dressing films: Effect of clay content on water absorption kinetic and mechanical properties. Polymer Composites, 2019, 40, 1762-1773.	4.6	10
7	Preparation of UV-opaque, Vis-transparent acrylicâ€“silica nanocomposite coating with promising physico-mechanical properties via miniemulsion polymerization. Journal of Coatings Technology Research, 2019, 16, 781-789.	2.5	10
8	Physicochemical evaluation of nanocomposite hydrogels with covalently incorporated poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.6	16
9	A promising ternary nanohybrid of Copper@Zinc oxide intercalated with polyaniline for simultaneous antistatic and antibacterial applications. Journal of Coatings Technology Research, 2019, 16, 1411-1422.	2.5	13
10	Electrically conductive epoxyâ€based nanocomposite adhesives loaded with silverâ€coated copper and silverâ€coated reduced graphene oxide nanoparticles. Polymers for Advanced Technologies, 2019, 30, 1996-2004.	3.2	19
11	Facile synthesis of copper/ reduced single layer graphene oxide as a multifunctional nanohybrid for simultaneous enhancement of antibacterial and antistatic properties of waterborne polyurethane coating. Progress in Organic Coatings, 2019, 131, 322-332.	3.9	44
12	PANIâ€chitosanâ€TiO₂ ternary nanocomposite and its effectiveness on antibacterial and antistatic behavior of epoxy coating. Journal of Applied Polymer Science, 2019, 136, 47629.	2.6	17
13	Selfâ€healing waterborne polyurethane coating by pHâ€dependent triggeredâ€release mechanism. Journal of Applied Polymer Science, 2019, 136, 47082.	2.6	20
14	Water retention and slow release studies of a salep-based hydrogel nanocomposite reinforced with montmorillonite clay. New Journal of Chemistry, 2018, 42, 2758-2766.	2.8	47
15	Slow-release NPK fertilizer encapsulated by carboxymethyl cellulose-based nanocomposite with the function of water retention in soil. Materials Science and Engineering C, 2018, 90, 333-340.	7.3	156
16	A promising porous polymer-nanoclay hydrogel nanocomposite as water reservoir material: synthesis and kinetic study. Journal of Porous Materials, 2018, 25, 665-675.	2.6	21
17	Synthesis, characterization, and swelling kinetic study of porous superabsorbent hydrogel nanocomposite based on sulfonated carboxymethylcellulose and silica nanoparticles. Journal of Porous Materials, 2018, 25, 1325-1335.	2.6	24
18	Preparation of PANIâ€“CuZnO ternary nanocomposite and investigation of its effects on polyurethane coatings antibacterial, antistatic, and mechanical properties. Journal of Nanostructure in Chemistry, 2018, 8, 473-481.	9.1	13

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19	Effect of exfoliated organophilic montmorillonite on the structure and conductivity of polypropylene/polyaniline composites. Polymer Composites, 2017, 38, 699-707.	4.6	0
20	Superabsorbent hydrogel made of NaAlg-g-poly(AA-co-AAm) and rice husk ash: Synthesis, characterization, and swelling kinetic studies. Carbohydrate Polymers, 2017, 168, 1-13.	10.2	169
21	Synthesis, characterization, and fertilizer release study of the salt and pH-sensitive NaAlg-g-poly(AA-co-AAm)/RHA superabsorbent nanocomposite. Polymer Bulletin, 2017, 74, 3353-3377.	3.3	46
22	The Effects of UV Light on the Chemical and Mechanical Properties of a Transparent Epoxy-Diamine System in the Presence of an Organic UV Absorber. Materials, 2017, 10, 180.	2.9	144
23	Study on the synergistic effect of clinoptilolite on the swelling kinetic and slow release behavior of maize bran-based superabsorbent nanocomposite. Journal of Polymer Research, 2016, 23, 1.	2.4	12
24	Waterborne acrylicâ€“polyaniline nanocomposite as antistatic coating: preparation and characterization. Iranian Polymer Journal (English Edition), 2016, 25, 991-998.	2.4	18
25	Application of Molecularly Imprinted Polymer for Determination of Glucose by Quartz Crystal Nanobalance Technique. IEEE Sensors Journal, 2014, 14, 2807-2812.	4.7	14
26	Development of novel hybrid nanocomposites based on natural biodegradable polymerâ€“montmorillonite/polyaniline: preparation and characterization. Polymer Bulletin, 2014, 71, 1591-1610.	3.3	41
27	Interactions of anti-proliferative and anti-platelet drugs with self-assembled monolayers: a future strategy in stent development. RSC Advances, 2014, 4, 4218-4224.	3.6	2
28	A Rapid and Cost Effective Method for Measurement of Cyclosporine. IEEE Sensors Journal, 2013, 13, 4542-4545.	4.7	1
29	Design and evaluation of mixed self-assembled monolayers for a potential use in everolimus eluting coronary stents. Colloids and Surfaces B: Biointerfaces, 2013, 112, 330-336.	5.0	9
30	Application of nanobalance technique and principal component analysis for detection of the soil fumigant Telone residues in the air. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 677-686.	1.5	8
31	Modeling and optimization of a new impact-toughened epoxy nanocomposite using response surface methodology. Journal of Polymer Research, 2011, 18, 509-517.	2.4	39
32	Determination of Linear Short Chain Aliphatic Aldehyde and Ketone Vapors in Air Using a Polystyrene-coated Quartz Crystal Nanobalance Sensor. Analytical Sciences, 2010, 26, 89-93.	1.6	2
33	Epoxy/acrylonitrile-butadiene-styrene copolymer/clay ternary nanocomposite as impact toughened epoxy. Journal of Polymer Research, 2010, 17, 191-201.	2.4	68
34	Application of quartz crystal nanobalance and principal component analysis for detection and determination of nickel in solution. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1119-1125.	1.7	8
35	Synthesis and Characterization of Water Soluble Conducting Poly (3-Amino-4-Methoxybenzenesulfonic Acid). Molecular Crystals and Liquid Crystals, 2008, 484, 356/[722]-361/[727].	0.9	4
36	Preparation and characterization of a polyaniline/poly(butyl acrylate-vinyl acetate) composite as a novel conducting polymer composite. Journal of Applied Polymer Science, 2003, 90, 2525-2531.	2.6	8

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37	Detection and determination of CrVI in solution using polyaniline modified quartz crystal electrode. Journal of Applied Polymer Science, 2002, 85, 2772-2780.	2.6	43
38	Application of polymer-coated quartz crystal microbalance (QCM) as a sensor for BTEX compounds vapors. Journal of Applied Polymer Science, 2001, 79, 1062-1066.	2.6	48
39	Ion exchange properties of polypyrrole studied by electrochemical quartz crystal microbalance (EQCM). Polymer International, 1999, 48, 873-878.	3.1	31