

Abdolreza Mirmohseni

List of Publications by Year in descending order

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39
papers

1,184
citations

471061

17
h-index

377514

34
g-index

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all docs

39
docs citations

39
times ranked

1436
citing authors

#	ARTICLE	IF	CITATIONS
1	Superabsorbent hydrogel made of NaAlg-g-poly(AA-co-AAm) and rice husk ash: Synthesis, characterization, and swelling kinetic studies. <i>Carbohydrate Polymers</i> , 2017, 168, 1-13.	5.1	169
2	Slow-release NPK fertilizer encapsulated by carboxymethyl cellulose-based nanocomposite with the function of water retention in soil. <i>Materials Science and Engineering C</i> , 2018, 90, 333-340.	3.8	156
3	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. <i>Materials</i> , 2017, 10, 180.	1.3	144
4	Epoxy/acrylonitrile-butadiene-styrene copolymer/clay ternary nanocomposite as impact toughened epoxy. <i>Journal of Polymer Research</i> , 2010, 17, 191-201.	1.2	68
5	Application of polymer-coated quartz crystal microbalance (QCM) as a sensor for BTEX compounds vapors. <i>Journal of Applied Polymer Science</i> , 2001, 79, 1062-1066.	1.3	48
6	Water retention and slow release studies of a salep-based hydrogel nanocomposite reinforced with montmorillonite clay. <i>New Journal of Chemistry</i> , 2018, 42, 2758-2766.	1.4	47
7	Synthesis, characterization, and fertilizer release study of the salt and pH-sensitive NaAlg-g-poly(AA-co-AAm)/RHA superabsorbent nanocomposite. <i>Polymer Bulletin</i> , 2017, 74, 3353-3377.	1.7	46
8	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. <i>Progress in Organic Coatings</i> , 2019, 131, 322-332.	1.9	44
9	Detection and determination of CrVI in solution using polyaniline modified quartz crystal electrode. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2772-2780.	1.3	43
10	Development of novel hybrid nanocomposites based on natural biodegradable polymer-montmorillonite/polyaniline: preparation and characterization. <i>Polymer Bulletin</i> , 2014, 71, 1591-1610.	1.7	41
11	Modeling and optimization of a new impact-toughened epoxy nanocomposite using response surface methodology. <i>Journal of Polymer Research</i> , 2011, 18, 509-517.	1.2	39
12	Ion exchange properties of polypyrrole studied by electrochemical quartz crystal microbalance (EQCM). <i>Polymer International</i> , 1999, 48, 873-878.	1.6	31
13	Cationic graphene oxide nanosheets intercalated with polyaniline nanofibers: A promising candidate for simultaneous anticorrosion, antistatic, and antibacterial applications. <i>Progress in Organic Coatings</i> , 2020, 139, 105419.	1.9	27
14	Synthesis, characterization, and swelling kinetic study of porous superabsorbent hydrogel nanocomposite based on sulfonated carboxymethylcellulose and silica nanoparticles. <i>Journal of Porous Materials</i> , 2018, 25, 1325-1335.	1.3	24
15	A promising porous polymer-nanoclay hydrogel nanocomposite as water reservoir material: synthesis and kinetic study. <i>Journal of Porous Materials</i> , 2018, 25, 665-675.	1.3	21
16	Self-healing waterborne polyurethane coating by pH-dependent triggered release mechanism. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47082.	1.3	20
17	Electrically conductive epoxy-based nanocomposite adhesives loaded with silver-coated copper and silver-coated reduced graphene oxide nanoparticles. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1996-2004.	1.6	19
18	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. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	19

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19	Waterborne acrylic-polyaniline nanocomposite as antistatic coating: preparation and characterization. Iranian Polymer Journal (English Edition), 2016, 25, 991-998.	1.3	18
20	PANI-chitosan-TiO ₂ ternary nanocomposite and its effectiveness on antibacterial and antistatic behavior of epoxy coating. Journal of Applied Polymer Science, 2019, 136, 47629.	1.3	17
21	Physicochemical evaluation of nanocomposite hydrogels with covalently incorporated poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	16
22	Application of Molecularly Imprinted Polymer for Determination of Glucose by Quartz Crystal Nanobalance Technique. IEEE Sensors Journal, 2014, 14, 2807-2812.	2.4	14
23	Preparation of PANI-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.	5.3	13
24	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.	1.2	13
25	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.	1.2	12
26	Ion crosslinked poly(acrylic acid-co-acrylamide)/poly(vinyl alcohol)/Cloisite 15-A nanocomposite hydrogels as potential wound dressing films: Effect of clay content on water absorption kinetic and mechanical properties. Polymer Composites, 2019, 40, 1762-1773.	2.3	10
27	Preparation of UV-opaque, Vis-transparent acrylic-silica nanocomposite coating with promising physico-mechanical properties via miniemulsion polymerization. Journal of Coatings Technology Research, 2019, 16, 781-789.	1.2	10
28	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.	2.5	9
29	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.	1.3	8
30	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.	0.9	8
31	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.	0.7	8
32	Effectiveness of PANI/Cu/TiO ₂ ternary nanocomposite on antibacterial and antistatic behaviors in polyurethane coatings. Journal of Applied Polymer Science, 2020, 137, 48825.	1.3	6
33	Synthesis and Characterization of Water Soluble Conducting Poly (3-Amino-4-Methoxybenzenesulfonic Acid). Molecular Crystals and Liquid Crystals, 2008, 484, 356/[722]-361/[727].	0.4	4
34	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.	1.8	4
35	Polyamidoamines based on castor oil-styrene co-oligomer/triethylenetetramine as curing agents in high-performance epoxy coatings. Journal of Applied Polymer Science, 2020, 137, 49082.	1.3	3
36	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.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Interactions of anti-proliferative and anti-platelet drugs with self-assembled monolayers: a future strategy in stent development. RSC Advances, 2014, 4, 4218-4224.	1.7	2
38	A Rapid and Cost Effective Method for Measurement of Cyclosporine. IEEE Sensors Journal, 2013, 13, 4542-4545.	2.4	1
39	Effect of exfoliated organophilic montmorillonite on the structure and conductivity of polypropylene/polyaniline composites. Polymer Composites, 2017, 38, 699-707.	2.3	0