

# 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  
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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.	1.8	4
2	Effectiveness of PANI/Cu/TiO <sub>2</sub> ternary nanocomposite on antibacterial and antistatic behaviors in polyurethane coatings. Journal of Applied Polymer Science, 2020, 137, 48825.	1.3	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.	1.9	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.	1.2	19
5	Polyamidoamines based on castor oil- $\epsilon$ -styrene co-oligomer/triethylenetetramine as curing agents in high-performance epoxy coatings. Journal of Applied Polymer Science, 2020, 137, 49082.	1.3	3
6	Ion crosslinked poly(acrylic acid-co-acrylamide)/poly(vinyl alcohol)/Cloisite 15A 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
7	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
8	Physicochemical evaluation of nanocomposite hydrogels with covalently incorporated poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.3	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.	1.2	13
10	Electrically conductive epoxy-based nanocomposite adhesives loaded with silver-coated copper and silver-coated reduced graphene oxide nanoparticles. Polymers for Advanced Technologies, 2019, 30, 1996-2004.	1.6	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.	1.9	44
12	PANI-chitosan-TiO <sub>2</sub> ternary nanocomposite and its effectiveness on antibacterial and antistatic behavior of epoxy coating. Journal of Applied Polymer Science, 2019, 136, 47629.	1.3	17
13	Self-healing waterborne polyurethane coating by pH-dependent triggered-release mechanism. Journal of Applied Polymer Science, 2019, 136, 47082.	1.3	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.	1.4	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.	3.8	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.	1.3	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.	1.3	24
18	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

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19	Effect of exfoliated organophilic montmorillonite on the structure and conductivity of polypropylene/polyaniline composites. <i>Polymer Composites</i> , 2017, 38, 699-707.	2.3	0
20	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
21	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
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. <i>Materials</i> , 2017, 10, 180.	1.3	144
23	Study on the synergistic effect of clinoptilolite on the swelling kinetic and slow release behavior of maize bran-based superabsorbent nanocomposite. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	12
24	Waterborne acrylic-polyaniline nanocomposite as antistatic coating: preparation and characterization. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 991-998.	1.3	18
25	Application of Molecularly Imprinted Polymer for Determination of Glucose by Quartz Crystal Nanobalance Technique. <i>IEEE Sensors Journal</i> , 2014, 14, 2807-2812.	2.4	14
26	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
27	Interactions of anti-proliferative and anti-platelet drugs with self-assembled monolayers: a future strategy in stent development. <i>RSC Advances</i> , 2014, 4, 4218-4224.	1.7	2
28	A Rapid and Cost Effective Method for Measurement of Cyclosporine. <i>IEEE Sensors Journal</i> , 2013, 13, 4542-4545.	2.4	1
29	Design and evaluation of mixed self-assembled monolayers for a potential use in everolimus eluting coronary stents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 330-336.	2.5	9
30	Application of nanobalance technique and principal component analysis for detection of the soil fumigant Telone residues in the air. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012, 47, 677-686.	0.7	8
31	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
32	Determination of Linear Short Chain Aliphatic Aldehyde and Ketone Vapors in Air Using a Polystyrene-coated Quartz Crystal Nanobalance Sensor. <i>Analytical Sciences</i> , 2010, 26, 89-93.	0.8	2
33	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
34	Application of quartz crystal nanobalance and principal component analysis for detection and determination of nickel in solution. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1119-1125.	0.9	8
35	Synthesis and Characterization of Water Soluble Conducting Poly (3-Amino-4-Methoxybenzenesulfonic Acid). <i>Molecular Crystals and Liquid Crystals</i> , 2008, 484, 356/[722]-361/[727].	0.4	4
36	Preparation and characterization of a polyaniline/poly(butyl acrylate-vinyl acetate) composite as a novel conducting polymer composite. <i>Journal of Applied Polymer Science</i> , 2003, 90, 2525-2531.	1.3	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.	1.3	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.	1.3	48
39	Ion exchange properties of polypyrrole studied by electrochemical quartz crystal microbalance (EQCM). Polymer International, 1999, 48, 873-878.	1.6	31