

Farhad Sharif

List of Publications by Year in descending order

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papers

3,004
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236833

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4078
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#	ARTICLE	IF	CITATIONS
1	Review of PVA-based gel polymer electrolytes in flexible solid-state supercapacitors: Opportunities and challenges. <i>Journal of Energy Storage</i> , 2020, 27, 101072.	3.9	299
2	Self-alignment and high electrical conductivity of ultralarge graphene oxide/polyurethane nanocomposites. <i>Journal of Materials Chemistry</i> , 2012, 22, 12709.	6.7	269
3	Highly aligned, ultralarge-size reduced graphene oxide/polyurethane nanocomposites: Mechanical properties and moisture permeability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 49, 42-50.	3.8	242
4	Self assembly of graphene oxide at the liquid/liquid interface: A new route to the fabrication of graphene based composites. <i>Soft Matter</i> , 2011, 7, 3432.	1.2	189
5	A textile-based wearable supercapacitor using reduced graphene oxide/polypyrrole composite. <i>Electrochimica Acta</i> , 2019, 305, 187-196.	2.6	125
6	Structure, properties and corrosion resistivity of polymeric nanocomposite coatings based on layered silicates. <i>Journal of Coatings Technology Research</i> , 2008, 5, 241-249.	1.2	95
7	Experimental investigation of laminar forced convective heat transfer of Graphene/water nanofluid inside a circular tube. <i>International Journal of Thermal Sciences</i> , 2016, 100, 316-323.	2.6	93
8	Optimization of mechanical properties of PP/Nanoclay/CaCO ₃ ternary nanocomposite using response surface methodology. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3188-3200.	1.3	86
9	Synthesis and evaluating corrosion protection effects of emeraldine base PANi/clay nanocomposite as a barrier pigment in zinc-rich ethyl silicate primer. <i>Progress in Organic Coatings</i> , 2011, 70, 39-44.	1.9	80
10	Spontaneous exfoliation of graphite oxide in polar aprotic solvents as the route to produce graphene oxide organic solvents liquid crystals. <i>Carbon</i> , 2013, 64, 403-415.	5.4	69
11	Graphene oxide-induced polymerization and crystallization to produce highly conductive polyaniline/graphene oxide composite. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1545-1554.	2.5	65
12	Turbulent Convective Heat Transfer and Pressure Drop of Graphene/Water Nanofluid Flowing Inside a Horizontal Circular Tube. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1230-1240.	1.3	60
13	Evaluating protection performance of zinc rich epoxy paints modified with polyaniline and polyaniline-clay nanocomposite. <i>Progress in Organic Coatings</i> , 2014, 77, 1299-1308.	1.9	59
14	Cure kinetics and chemorheology of EPDM/graphene oxide nanocomposites. <i>Thermochimica Acta</i> , 2013, 563, 22-32.	1.2	55
15	Effect of material and processing parameters on mechanical properties of Polypropylene/Ethylene/Propylene/Diene/Monomer/clay nanocomposites. <i>Materials & Design</i> , 2011, 32, 3803-3809.	5.1	53
16	Molecular level dispersion of graphene in polymer matrices using colloidal polymer and graphene. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 44-50.	5.0	48
17	THE INFLUENCE OF OXYGEN-CONTAINING FUNCTIONAL GROUPS ON THE SURFACE BEHAVIOR AND ROUGHNESS CHARACTERISTICS OF GRAPHENE OXIDE. <i>Nano</i> , 2013, 08, 1350045.	0.5	45
18	Graphene-oxide stabilization in electrolyte solutions using hydroxyethyl cellulose for drug delivery application. <i>International Journal of Pharmaceutics</i> , 2015, 484, 276-282.	2.6	45

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19	MOF-modified polyester fabric coated with reduced graphene oxide/polypyrrole as electrode for flexible supercapacitors. <i>Electrochimica Acta</i> , 2020, 336, 135743.	2.6	45
20	Graphene-gold nanoparticle composite: Application as a good scaffold for construction of glucose oxidase biosensor. <i>Materials Science and Engineering C</i> , 2015, 49, 297-304.	3.8	41
21	Thermodynamic analysis of the wetting behavior of dual scale patterned hydrophobic surfaces. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 575-583.	5.0	39
22	Dispersion of rGO in polymeric matrices by thermodynamically favorable self-assembly of GO at oil-water interfaces. <i>RSC Advances</i> , 2014, 4, 8711.	1.7	31
23	The impact of valve simplifications on left ventricular hemodynamics in a three dimensional simulation based on in vivo MRI data. <i>Journal of Biomechanics</i> , 2016, 49, 1482-1489.	0.9	31
24	Rheological Behavior and Filtration of Water-Based Drilling Fluids Containing Graphene Oxide: Experimental Measurement, Mechanistic Understanding, and Modeling. <i>ACS Omega</i> , 2021, 6, 29905-29920.	1.6	29
25	Introducing a highly dispersed reduced graphene oxide nano-biohybrid employing chitosan/hydroxyethyl cellulose for controlled drug delivery. <i>International Journal of Pharmaceutics</i> , 2016, 509, 400-407.	2.6	28
26	Control over Branching Topology by Introducing a Dual Catalytic System in Coordinative Chain Transfer Polymerization of Olefins. <i>Macromolecules</i> , 2020, 53, 4312-4322.	2.2	27
27	Analysis of a viscoelastic fluid in an annulus using Giesekus model. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004, 118, 49-55.	1.0	26
28	Characteristics of polymers that stabilize colloids for the production of graphene from graphene oxide. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 63-69.	5.0	26
29	Flow-induced crystallization of polypropylene in the presence of graphene nanoplatelets and relevant mechanical properties in nanocomposite fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 76, 203-214.	3.8	26
30	Bimetallic nickel-cobalt oxide nanoparticle/ electrospun carbon nanofiber composites: Preparation and application for supercapacitor electrode. <i>Ceramics International</i> , 2022, 48, 10015-10023.	2.3	25
31	Modeling Condensed Mode Operation for Ethylene Polymerization: Part I. Thermodynamics of Sorption. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1168-1185.	1.8	23
32	Performance-tuning of PVA-based gel electrolytes by acid/PVA ratio and PVA molecular weight. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	23
33	Effect of graphene nanoplatelets presence on the morphology, structure, and thermal properties of polypropylene in fiber melt-spinning process. <i>Polymer Composites</i> , 2015, 36, 367-375.	2.3	22
34	Graphene oxide: An effective ionic conductivity promoter for phosphoric acid-doped poly (vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.8	22
35	A high quality ITO/PET electrode for flexible and transparent optoelectronic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2962-2969.	1.1	21
36	A new approach to using submicron emeraldine-base polyaniline in corrosion-resistant epoxy coatings. <i>Journal of Coatings Technology Research</i> , 2012, 9, 47-57.	1.2	20

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37	Preparation and electrochemical performance of a novel three dimensional structure of polyaniline hollow fibers decorated by graphene. <i>Polymer</i> , 2018, 154, 80-89.	1.8	20
38	Rheological and thermorheological assessment of polyethylene in multiple extrusion process. <i>Thermochimica Acta</i> , 2018, 668, 19-27.	1.2	20
39	Using of p-Phenylenediamine as Modifier of Montmorillonite for Preparation of Epoxy-Clay Nanocomposites: Morphology and Solvent Resistance Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 285-291.	1.9	19
40	Effect of bending deformation on photovoltaic performance of flexible graphene/Ag electrode-based polymer solar cells. <i>RSC Advances</i> , 2015, 5, 30889-30901.	1.7	19
41	High-performance transparent ultraviolet photodetector based on thermally reduced graphene oxide and ZnO thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11108-11113.	1.1	19
42	Application of artificial neural network (ANN) in order to predict the surface free energy of powders using the capillary rise method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 280-285.	2.3	18
43	Modeling Condensed Mode Operation for Ethylene Polymerization: Part III. Mass and Heat Transfer. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6097-6114.	1.8	18
44	Synthesis of exfoliated polyaniline-clay nanocomposite in supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2011, 59, 124-130.	1.6	17
45	Brownian Dynamics Simulation of Micellization of Amphiphilic Block Copolymers with Different Tail Lengths. <i>Langmuir</i> , 2012, 28, 16243-16253.	1.6	17
46	Non-Isothermal Simulation of the Film Blowing Process Using Multi-Mode Extended Pom-Pom Model. <i>International Polymer Processing</i> , 2008, 23, 30-37.	0.3	16
47	Effect of solid loading and aggregate size on the rheological behavior of PDMS/Calcium Carbonate suspensions. <i>Brazilian Journal of Chemical Engineering</i> , 2009, 26, 713-721.	0.7	16
48	GO nanosheets localization by morphological study on PLA-GO electrospun nanocomposite nanofibers. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	16
49	Preparation and evaluation of electrospun carbon nanofibers infused by metal nanoparticles for supercapacitor electrodes application. <i>Synthetic Metals</i> , 2021, 274, 116706.	2.1	16
50	Hollow Polyaniline Nanofibers for Highly Sensitive Ammonia Detection Applications. <i>IEEE Sensors Journal</i> , 2019, 19, 9616-9623.	2.4	15
51	Study of the torsional potential energies of 2-methylpropane, n-butane, and 2-methylbutane with high-level ab initio calculations. <i>Computational and Theoretical Chemistry</i> , 2007, 814, 43-49.	1.5	14
52	Preparation and evaluation of magnetic field-induced orientation on magnetic nanoparticles on PVA nanocomposite films. <i>Journal of Materials Science</i> , 2018, 53, 5051-5062.	1.7	13
53	Design guidelines for development of tin-free antifouling self-polishing coatings using simulation. <i>Progress in Organic Coatings</i> , 2008, 63, 79-86.	1.9	12
54	Structure development and melt viscoelastic properties of PE/organoclay nanocomposite blown films. <i>Journal of Applied Polymer Science</i> , 2012, 125, E435.	1.3	12

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55	Highly conductive reduced graphene oxide transparent ultrathin film through joule-heat induced direct reduction. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1419-1427.	1.1	12
56	Mechanistic study on the metallocene-based tandem catalytic coordinative chain transfer polymerization for the synthesis of highly branched polyolefins. <i>European Polymer Journal</i> , 2021, 152, 110454.	2.6	12
57	Effect of electrospinning on the ionic conductivity of polyacrylonitrile/polymethyl methacrylate nanofibrous membranes: optimization based on the response surface method. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 525-537.	1.3	11
58	A flexible electrode based on recycled paper pulp and reduced graphene oxide composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4990-4996.	1.1	11
59	Time-sweep rheometry for evaluating polyethylene degradation behavior: Effect of formulation and process conditions. <i>Polymer Testing</i> , 2018, 70, 39-46.	2.3	10
60	A molecular dynamics study on the role of oxygen-containing functional groups on the adhesion of polymeric films to the aluminum surface. <i>Fluid Phase Equilibria</i> , 2021, 536, 112966.	1.4	10
61	Improving Nonenzymatic Biosensing Performance of Electrospun Carbon Nanofibers decorated with Ni/Co Particles via Oxidation. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 2542-2564.	1.4	10
62	Preparation of polyaniline and self-doped polyaniline/clay nanocomposites in supercritical CO ₂ : Synthesis and conductivity study. <i>Synthetic Metals</i> , 2012, 162, 1879-1886.	2.1	8
63	Experimental Study on the Relationship between Particles Size and Properties of Polyethylene Powder from an Industrial Fluidized Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13543-13549.	1.8	8
64	Variation of Comonomer Content in LLDPE Particles with Different Sizes from an Industrial Fluidized Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9870-9876.	1.8	8
65	Integrated synthesis and surface passivation of ZnO nanoparticles to enhance UV spectrum selectivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8221-8226.	1.1	8
66	Synthesis and characterization of poly(ethylene tetrasulfide)/graphene oxide nanocomposites by in situ polymerization method. <i>Journal of Sulfur Chemistry</i> , 2016, 37, 328-339.	1.0	8
67	Effect of fiber nano-scratch on macro strain hardening behavior in engineered cementitious composites. <i>Physica B: Condensed Matter</i> , 2018, 545, 442-451.	1.3	8
68	Investigation of Effect of Electrospinning Parameters on the Morphology of Polyacrylonitrile/Polymethylmethacrylate Nanofibers: A Box-Cox Behnken-Based Study. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 975-991.	0.4	7
69	Effect of formulation and process on morphology and electrical conductivity of Ag-graphene hybrid inks. <i>Synthetic Metals</i> , 2021, 281, 116913.	2.1	7
70	Morphology, phase diagram, and properties of high-density polyethylene/thermally treated waste polyethylene wax blends. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	7
71	AN ARTIFICIAL NEURAL NETWORK APPROACH TO CAPILLARY RISE IN POROUS MEDIA. <i>Chemical Engineering Communications</i> , 2007, 195, 435-448.	1.5	6
72	Facile synthesis of polyaniline nanofibers in supercritical CO ₂ with high yield. <i>Research on Chemical Intermediates</i> , 2013, 39, 4137-4144.	1.3	6

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73	Brownian dynamics simulation of amphiphilic block copolymers with different tail lengths, comparison with theory and comicelles. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 62, 165-173.	1.3	6
74	Bioinspired pressure-sensitive adhesive: evaluation of the effect of dopamine methacrylamide comonomer as a general property modifier using molecular dynamics simulation. <i>RSC Advances</i> , 2021, 11, 20557-20569.	1.7	6
75	Experimental evaluation of high solid polyurethane coating in the presence of salt at high temperature. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2010, 61, 681-688.	0.8	5
76	The Impact of Organoclay on the Physical and Mechanical Properties of Epoxy-Clay Nanocomposite Coatings. <i>Journal of Macromolecular Science - Physics</i> , 2010, 49, 960-969.	0.4	5
77	Enhancement of Nanoclay Dispersion and Exfoliation in Epoxy Using Aminic Hardener Treated Clay. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 1350-1357.	1.3	5
78	Change in interfacial behavior by variation of amphiphilic nanosheets/anionic surfactant ratio using dynamic tensiometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124754.	2.3	5
79	Mechanical properties of poly(vinyl alcohol) nanocomposite films improved by graphene oxide-assisted nanoclay dispersion. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 1053-1061.	1.3	4
80	Analytical representation of bimodality in bivariate distribution of chain length and chemical composition of copolymers. <i>Chemical Engineering Journal</i> , 2021, 431, 133229.	6.6	4
81	Simulation and Development of Tin-Free Antifouling Self-Polishing Coatings. <i>Macromolecular Symposia</i> , 2008, 274, 109-115.	0.4	3
82	Self-aligned Graphene Sheets-Polyurethane Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1344, 1.	0.1	2
83	Physical gelation process as direct evidence for crystallization behavior of isotactic polypropylene/clay composites. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 1656-1666.	2.6	2
84	Comprehensive computational assessment of blood flow characteristics of left ventricle based on in-vivo MRI in presence of artificial myocardial infarction. <i>Mathematical Biosciences</i> , 2017, 294, 143-159.	0.9	2
85	Debonding mechanism of polymeric fibers in reinforced cementitious composites as a function of crystallinity degree of fibers. <i>Journal of Composite Materials</i> , 2018, 52, 383-394.	1.2	2
86	Synthesis and characterization of poly(L-lactide)-block-poly(ϵ -caprolactone)-grafted titanium dioxide nanoparticles via ring-opening in situ grafting polymerization. <i>Polymer Composites</i> , 2021, 42, 3722-3731.	2.3	2
87	Effects of modified titanium dioxide nanoparticles on the thermal and mechanical properties of poly(l-lactide)-b-poly(ϵ -caprolactone). <i>Iranian Polymer Journal (English Edition)</i> , 2022, 31, 893-904.	1.3	2
88	Predicting flow induced change in phase diagram of polymer solutions in simple shear flow. <i>E-Polymers</i> , 2009, 9, .	1.3	1
89	Prediction of crystallinity profile and eject time of injection molded parts using finite element method (FEM). <i>E-Polymers</i> , 2009, 9, .	1.3	1
90	Parametric study of FENE and FENE-P models in steady and unsteady flow in a circular pipe using CONNFESSIT approach. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 1012-1023.	1.0	1

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91	Synthesis and Electrochemical Evaluation of Conductive Polyacrylamide Nanocomposite Hydrogels. <i>Advances in Polymer Technology</i> , 2016, 35, 369-377.	0.8	0
92	Extending Alkenesâ€™ Value Chain to Functionalized Polyolefins. , 0, , .		0