

# Sajad Pirsa

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

2,973  
citations

147566

31  
h-index

189595

50  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocomposite Film Based on Gluten Modified with <i>Heracleum persicum</i> Essence/MgO/Polypyrrole: Investigation of Physicochemical and Electrical Properties. <i>Journal of Polymers and the Environment</i> , 2022, 30, 954-970.	2.4	13
2	Production of biodegradable sodium caseinate film containing titanium oxide nanoparticles and grape seed essence and investigation of physicochemical properties. <i>Polymer Bulletin</i> , 2022, 79, 8217-8240.	1.7	24
3	Biodegradable film based on lemon peel powder containing xanthan gum and TiO <sub>2</sub> @Ag nanoparticles: Investigation of physicochemical and antibacterial properties. <i>Polymer Testing</i> , 2022, 106, 107445.	2.3	49
4	Design and fabrication of a portable instrument based on elastic fiber/nano@polypyrrole for evaluating of tensile properties of food samples. <i>Journal of Food Process Engineering</i> , 2022, 45, e13946.	1.5	2
5	Nano-biocomposite based color sensors: Investigation of structure, function, and applications in intelligent food packaging. <i>Food Packaging and Shelf Life</i> , 2022, 31, 100789.	3.3	57
6	A biodegradable film based on carrageenan gum/ <i>Plantago psyllium</i> mucilage/red beet extract: physicochemical properties, biodegradability and water absorption kinetic. <i>Polymer Bulletin</i> , 2022, 79, 11317-11338.	1.7	25
7	Optimization and Characterization of Bioactive Biocomposite Film Based on Orange Peel Incorporated with Gum Arabic Reinforced by Cr <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2493-2506.	2.4	8
8	Development of antimicrobial/antioxidant nanocomposite film based on fish skin gelatin and chickpea protein isolated containing Microencapsulated <i>Nigella sativa</i> essential oil and copper sulfide nanoparticles for extending minced meat shelf life. <i>Materials Research Express</i> , 2022, 9, 025306.	0.8	25
9	Application of cellulose plate modified with encapsulated <i>Cinnamomum zelanicum</i> essential oil in active packaging of walnut kernel. <i>Food Chemistry</i> , 2022, 381, 132246.	4.2	16
10	Production and Characterization of Nanocomposite Film Based on Whey Protein Isolated/Copper Oxide Nanoparticles Containing Coconut Essential Oil and Paprika Extract. <i>Journal of Polymers and the Environment</i> , 2021, 29, 335-349.	2.4	58
11	Detection of fraud of palm, sunflower, and corn oil in butter using HPLC profile of tocopherols and tocotrienols by response surface method. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1167-1177.	1.2	17
12	Biodegradable Nanocomposite Film Based on Gluten/Silica/Calcium Chloride: Physicochemical Properties and Bioactive Compounds Extraction Capacity. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2557-2571.	2.4	40
13	Stability of <i>Bacillus coagulans</i> IBRC-M 10807 and <i>Lactobacillus plantarum</i> PTCC 1058 in Milk Proteins Concentrate (MPC)-Based Edible Film. <i>Journal of Packaging Technology and Research</i> , 2021, 5, 11-22.	0.6	12
14	Optimization of extraction and characterization of physicochemical, structural, thermal, and antioxidant properties of mucilage from <i>Hollyhock</i> 's root: a functional heteropolysaccharide. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 2889-2903.	1.6	14
15	Detection of Authentication of Milk by Nanostructure Conducting Polypyrrole-ZnO. <i>Journal of Electronic Materials</i> , 2021, 50, 3406-3414.	1.0	11
16	Innovative smart and biodegradable packaging for margarine based on a nano composite polylactic acid/lycopene film. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021, 38, 856-869.	1.1	47
17	Synthesis of carbon quantum dots from apple juice and graphite: investigation of fluorescence and structural properties and use as an electrochemical sensor for measuring Letrozole. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10866-10879.	1.1	15
18	Synthesis of Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /Polypyrrole magnetic nanocomposite polymer powder: Investigation of structural properties and ability to purify of edible sea salts. <i>Advanced Powder Technology</i> , 2021, 32, 1233-1246.	2.0	16

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19	Biodegradable nano composite film based on modified starch-albumin/MgO; antibacterial, antioxidant and structural properties. <i>Polymer Testing</i> , 2021, 97, 107182.	2.3	69
20	Conducting/biodegradable chitosan-polyaniline film; Antioxidant, color, solubility and water vapor permeability properties. <i>Main Group Chemistry</i> , 2021, 20, 133-147.	0.4	32
21	Biodegradable film of black mulberry pulp pectin/chlorophyll of black mulberry leaf encapsulated with carboxymethylcellulose/silica nanoparticles: Investigation of physicochemical and antimicrobial properties. <i>Materials Chemistry and Physics</i> , 2021, 267, 124580.	2.0	58
22	Composite film based on potato starch/apple peel pectin/ZrO <sub>2</sub> nanoparticles/ microencapsulated Zataria multiflora essential oil; investigation of physicochemical properties and use in quail meat packaging. <i>Food Hydrocolloids</i> , 2021, 117, 106719.	5.6	108
23	Alginate hydrogel beads containing Thymus daenensis essential oils/Glycyrrhizic acid loaded in $\beta$ -cyclodextrin. Investigation of structural, antioxidant/antimicrobial properties and release assessment. <i>Journal of Molecular Liquids</i> , 2021, 344, 117738.	2.3	26
24	Nanocomposite base on carboxymethylcellulose hydrogel: Simultaneous absorbent of ethylene and humidity to increase the shelf life of banana fruit. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 300-310.	3.6	47
25	Production of active film based on potato starch containing Zedo gum and essential oil of <i>Salvia officinalis</i> and study of physical, mechanical, and antioxidant properties. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 915-937.	2.6	67
26	Use of bacterial cellulose film modified by polypyrrole/TiO <sub>2</sub> -Ag nanocomposite for detecting and measuring the growth of pathogenic bacteria. <i>Carbohydrate Polymers</i> , 2020, 232, 115801.	5.1	61
27	Production of Biodegradable Film Based on Polylactic Acid, Modified with Lycopene Pigment and TiO <sub>2</sub> and Studying Its Physicochemical Properties. <i>Journal of Polymers and the Environment</i> , 2020, 28, 433-444.	2.4	74
28	Photocatalytic/Antimicrobial Active Film Based on Wheat Gluten/ZnO Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2654-2665.	1.9	53
29	Bacterial and oxidative control of local butter with smart/active film based on pectin/nanoclay/Carum copticum essential oils/ $\beta$ -carotene. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 156-168.	3.6	54
30	Antioxidant/Antimicrobial Film Based on Carboxymethyl Cellulose/Gelatin/TiO <sub>2</sub> -Ag Nano-Composite. <i>Journal of Polymers and the Environment</i> , 2020, 28, 3154-3163.	2.4	56
31	Synthesis, characterization and adsorption behavior of sinapic acid imprinted polymer via precipitation polymerization. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	5
32	Specific Removal of Nitrite from Lake Urmia Sediments by Biohydrogel Based on Isolated Soy Protein/Tragacanth/Mesoporous Silica Nanoparticles/Lycopene. <i>Global Challenges</i> , 2020, 4, 2000061.	1.8	17
33	Effect of alpha-linolenic acid on some productive and reproductive traits of the Iranian bee ( <i>Apis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	0
34	Green extraction of bioactive compounds of pomegranate peel using $\beta$ -Cyclodextrin and ultrasound. <i>Main Group Chemistry</i> , 2020, 19, 61-80.	0.4	19
35	Cocoa butter and cocoa butter substitute as a lipid carrier of Cuminum cyminum L. essential oil; physicochemical properties, physical stability and controlled release study. <i>Journal of Molecular Liquids</i> , 2020, 314, 113638.	2.3	9
36	Conducting/smart color film based on wheat gluten/chlorophyll/polypyrrole nanocomposite. <i>Food Packaging and Shelf Life</i> , 2020, 24, 100501.	3.3	62

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37	Biodegradable film based on pectin/Nano-clay/methylene blue: Structural and physical properties and sensing ability for measurement of vitamin C. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 666-675.	3.6	62
38	Synthesis of Magnetic Gluten/Pectin/Fe <sub>3</sub> O <sub>4</sub> Nano-hydrogel and Its Use to Reduce Environmental Pollutants from Lake Urmia Sediments. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3188-3198.	1.9	52
39	Sesame Oil Oxidation Control by Active and Smart Packaging System Using Wheat Gluten/Chlorophyll Film to Increase Shelf Life and Detecting Expiration Date. <i>European Journal of Lipid Science and Technology</i> , 2020, 122, 1900385.	1.0	56
40	Smart film based on chitosan/Melissa officinalis essences/ pomegranate peel extract to detect cream cheeses spoilage. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020, 37, 634-648.	1.1	65
41	Physicochemical, organoleptic, antioxidative and release characteristics of flavoured yoghurt enriched with microencapsulated <i>Melissa officinalis</i> essential oil. <i>International Journal of Dairy Technology</i> , 2020, 73, 542-551.	1.3	34
42	Preparation of chitosan/zinc oxide/Melissa officinalis essential oil nano-composite film and evaluation of physical, mechanical and antimicrobial properties by response surface method. <i>Polymer Testing</i> , 2019, 79, 106004.	2.3	135
43	Design and fabrication of nanocomposite-based polyurethane filter for improving municipal waste water quality and removing organic pollutants. <i>Adsorption Science and Technology</i> , 2019, 37, 95-112.	1.5	7
44	Preparing chitosan-polyaniline nanocomposite film and examining its mechanical, electrical, and antimicrobial properties. <i>Polymers and Polymer Composites</i> , 2019, 27, 507-517.	1.0	61
45	Photocatalytic/biodegradable film based on carboxymethyl cellulose, modified by gelatin and TiO <sub>2</sub> -Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2019, 216, 189-196.	5.1	67
46	Intelligent and active packaging of chicken thigh meat by conducting nano structure cellulose-polypyrrole-ZnO film. <i>Materials Science and Engineering C</i> , 2019, 102, 798-809.	3.8	78
47	Impact of operating parameters and wall material components on the characteristics of microencapsulated <i>Melissa officinalis</i> essential oil. <i>Flavour and Fragrance Journal</i> , 2019, 34, 104-112.	1.2	20
48	Design of an optical sensor for ethylene based on nanofiber bacterial cellulose film and its application for determination of banana storage time. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1385-1393.	1.6	52
49	Extraction and determination of volatile organic acid concentration in pomegranate, sour cherry, and red grape juices by PPy-Ag nanocomposite fiber for authentication. <i>Separation Science and Technology</i> , 2018, 53, 117-125.	1.3	16
50	Optimizing Production of Mentha longifolia Essential Oil Emulsion Loaded with Omega 3 Fatty Acids by Nano-Fiber/Gas Chromatography. <i>Journal of Bioanalysis &amp; Biomedicine</i> , 2018, 10, .	0.1	0
51	Smart films based on bacterial cellulose nanofibers modified by conductive polypyrrole and zinc oxide nanoparticles. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46617.	1.3	57
52	Design and fabrication of starch-nano clay composite films loaded with methyl orange and bromocresol green for determination of spoilage in milk package. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2750-2758.	1.6	55
53	Determination of Lemon Juice Adulteration by Analysis of Gas Chromatography Profile of Volatile Organic Compounds Extracted with Nano-Sized Polyester-Polyaniline Fiber. <i>Food Analytical Methods</i> , 2017, 10, 2092-2101.	1.3	27
54	Simultaneous analysis of some volatile compounds in food samples by array gas sensors based on polypyrrole nano-composites. <i>Sensor Review</i> , 2017, 37, 155-164.	1.0	28

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55	Design of a portable gas chromatography with a conducting polymer nanocomposite detector device and a method to analyze a gas mixture. <i>Journal of Separation Science</i> , 2017, 40, 1724-1730.	1.3	18
56	Development of bacterial cellulose based slow-release active films by incorporation of <i>Scrophularia striata</i> Boiss. extract. <i>Carbohydrate Polymers</i> , 2017, 156, 340-350.	5.1	68
57	Development of a colorimetric pH indicator based on bacterial cellulose nanofibers and red cabbage () Tj ETQq1 1 0,784314 rgBT /Over 307	5.1	307
58	Synthesis and characterization of magnetic nanocomposites based on Hydrogel-Fe <sub>3</sub> O <sub>4</sub> and application to remove of organic dye from waste water. <i>Main Group Chemistry</i> , 2017, 16, 85-94.	0.4	19
59	Effects of L-Ascorbic Acid, Bentonite and Gelatin on Clarification of Apple Concentrate and Optimization with Desirability Function. <i>Advance Journal of Food Science and Technology</i> , 2017, 13, 262-271.	0.1	0
60	Soft Polymerization of Polypyrrole-ZnO and Polypyrrole-V <sub>2</sub> O <sub>5</sub> Nanocomposites and Their Application as Selective Gas Sensor. <i>Sensor Letters</i> , 2017, 15, 19-24.	0.4	12
61	Surface Modification of Acrylic Fiber by Polyaniline-ZnO Nanocomposite and Its Application as a Portable Gas Sensor. <i>Sensor Letters</i> , 2017, 15, 345-350.	0.4	6
62	Chemiresistive Gas Sensors Based on Conducting Polymers. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2017, , 150-180.	0.2	11
63	Chemiresistive Gas Sensors Based on Conducting Polymers. , 2017, , 543-574.		9
64	Nanostructured Conducting Polymer/Copper Oxide as a Modifier for Fabrication of Lâ€œDOPA and Uric Acid Electrochemical Sensor. <i>Electroanalysis</i> , 2016, 28, 2075-2080.	1.5	29
65	Design Selective Gas Sensors Based on Nano-Sized Polypyrrole/Polytetrafluoroethylene and Polypropylene Membranes. <i>IEEE Sensors Journal</i> , 2016, 16, 2922-2928.	2.4	34
66	Determination of Quality and Spoilage of Milk by Synthesized Polypyrroleâ€œA<sc>g</sc>g Nanocomposite Fiber at Room Temperature. <i>Journal of Food Process Engineering</i> , 2016, 39, 266-272.	1.5	9
67	Application of Nano-sized Poly N-phenyl Pyrrole Coated Polyester Fiber to Headspace Microextraction of Some Volatile Organic Compounds and Analysis by Gas chromatography. <i>Current Analytical Chemistry</i> , 2016, 12, 457-464.	0.6	18
68	Determination of Dimethylsulfoxide in Water by Capillary Gas Chromatography-Gas Sensor Based on Nanostructure Conducting Polypyrrole. <i>Nanoscience and Nanotechnology - Asia</i> , 2016, 6, 105-112.	0.3	3
69	Fast Determination of Water Content of Some Organic Solvents by Smart Sensor Based on PPy-Ag Nanoco. <i>Nanoscience and Nanotechnology - Asia</i> , 2016, 6, 119-127.	0.3	13
70	Nanostructured conducting polypyrrole film prepared by chemical vapor deposition on the interdigital electrodes at room temperature under atmospheric condition and its application as gas sensor. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1585-1594.	1.2	30
71	Design and Fabrication of Open-Tubular Array Gas Sensors Based on Conducting Polypyrrole Modified With Crown Ethers for Simultaneous Determination of Alkylamines. <i>IEEE Sensors Journal</i> , 2015, 15, 4130-4136.	2.4	35
72	Heterogeneous modification of softwoods cellulose nanofibers with oleic acid: Effect of reaction time and oleic acid concentration. <i>Fibers and Polymers</i> , 2015, 16, 1715-1722.	1.1	24

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73	Selective Hydrogen Peroxide Gas Sensor Based on Nanosized Polypyrrole Modified by CuO Nanoparticles. <i>Sensor Letters</i> , 2015, 13, 578-583.	0.4	17
74	Chemically Synthesize Nanostructure Polypyrrole Derivatives and Fabrication of Gas Sensor Based on Synthesized Polymers. <i>Sensor Letters</i> , 2014, 12, 1709-1716.	0.4	11
75	A selective DMSO gas sensor based on nanostructured conducting polypyrrole doped with sulfonate anion. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 303-309.	4.0	36
76	Nanoporous Conducting Polypyrrole Gas Sensor Coupled to a Gas Chromatograph for Determination of Aromatic Hydrocarbons Using Dispersive Liquid-Liquid Microextraction Method. <i>IEEE Sensors Journal</i> , 2011, 11, 3400-3405.	2.4	29
77	Rapid determination of pyridine derivatives by dispersive liquid-liquid microextraction coupled with gas chromatography/gas sensor based on nanostructured conducting polypyrrole. <i>Talanta</i> , 2011, 87, 249-254.	2.9	30
78	Design and fabrication of gas sensor based on nanostructure conductive polypyrrole for determination of volatile organic solvents. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 461-466.	4.0	65
79	Zein/EDTA/chlorophyll/nano-clay Biocomposite Sorbent: Investigation Physicochemical Properties Sorbent and Its Ability to Remove Contaminants of Industrial Wastewater. <i>Journal of Polymers and the Environment</i> , 0, , 1.	2.4	2