

# Prof Ali Pourjavadi

## List of Publications by Year in descending order

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180  
papers

8,017  
citations

53794

45  
h-index

66911

78  
g-index

183  
all docs

183  
docs citations

183  
times ranked

8539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified chitosan 4. Superabsorbent hydrogels from poly(acrylic acid-co-acrylamide) grafted chitosan with salt- and pH-responsiveness properties. <i>European Polymer Journal</i> , 2004, 40, 1399-1407.	5.4	482
2	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> )-based photocatalysts for solar hydrogen generation: recent advances and future development directions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23406-23433.	10.3	472
3	Modified carrageenan 3. Synthesis of a novel polysaccharide-based superabsorbent hydrogel via graft copolymerization of acrylic acid onto kappa-carrageenan in air. <i>European Polymer Journal</i> , 2004, 40, 1363-1370.	5.4	289
4	MBA-crosslinked Na-Alg/CMC as a smart full-polysaccharide superabsorbent hydrogels. <i>Carbohydrate Polymers</i> , 2006, 66, 386-395.	10.2	205
5	Visible light photocatalytic activity of novel MWCNT-doped ZnO electrospun nanofibers. <i>Journal of Molecular Catalysis A</i> , 2012, 359, 42-48.	4.8	180
6	Multi-Layer Functionalized Poly(Ionic Liquid) Coated Magnetic Nanoparticles: Highly Recoverable and Magnetically Separable Brønsted Acid Catalyst. <i>ACS Catalysis</i> , 2012, 2, 1259-1266.	11.2	148
7	Synthesis, characterization, and swelling behavior of alginate-g-poly(sodium acrylate)/kaolin superabsorbent hydrogel composites. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2631-2639.	2.6	128
8	Taguchi optimized synthesis of collagen-g-poly(acrylic acid)/kaolin composite superabsorbent hydrogel. <i>European Polymer Journal</i> , 2008, 44, 1209-1216.	5.4	127
9	Tuning Composition of Electrospun ZnO/CuO Nanofibers: Toward Controllable and Efficient Solar Photocatalytic Degradation of Organic Pollutants. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3327-3338.	3.1	117
10	Improving the performance of cement-based composites containing superabsorbent polymers by utilization of nano-SiO <sub>2</sub> particles. <i>Materials &amp; Design</i> , 2012, 42, 94-101.	5.1	114
11	Interactions between superabsorbent polymers and cement-based composites incorporating colloidal silica nanoparticles. <i>Cement and Concrete Composites</i> , 2013, 37, 196-204.	10.7	113
12	Modified carrageenan. 5. Preparation, swelling behavior, salt- and pH-sensitivity of partially hydrolyzed crosslinked carrageenan-graft-polymethacrylamide superabsorbent hydrogel. <i>Polymers for Advanced Technologies</i> , 2004, 15, 645-653.	3.2	112
13	Collagen-based highly porous hydrogel without any porogen: Synthesis and characteristics. <i>European Polymer Journal</i> , 2007, 43, 877-889.	5.4	111
14	Protein- and homo poly(amino acid)-based hydrogels with super-swelling properties. <i>Polymers for Advanced Technologies</i> , 2009, 20, 655-671.	3.2	108
15	Covalent Immobilization of Cellulase Using Magnetic Poly(ionic liquid) Support: Improvement of the Enzyme Activity and Stability. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 789-798.	5.2	104
16	Magnetic/pH-sensitive $\gamma$ -carrageenan/sodium alginate hydrogel nanocomposite beads: preparation, swelling behavior, and drug delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1891-1906.	3.5	97
17	Modified chitosan. I. Optimized cerium ammonium nitrate-induced synthesis of chitosan-graft-polyacrylonitrile. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2048-2054.	2.6	94
18	Water dispersed magnetic nanoparticles (H <sub>2</sub> O-DMNPs) of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> for multicomponent coupling reactions: a green, single-pot technique for the synthesis of tetrahydro-4H-chromenes and hexahydroquinoline carboxylates. <i>Tetrahedron Letters</i> , 2013, 54, 3344-3347.	1.4	93

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19	Synergism of oxygen vacancy and carbonaceous species on enhanced photocatalytic activity of electrospun ZnO-carbon nanofibers: Charge carrier scavengers mechanism. <i>Applied Catalysis A: General</i> , 2013, 466, 153-160.	4.3	89
20	Preparation of porous graphene oxide/hydrogel nanocomposites and their ability for efficient adsorption of methylene blue. <i>RSC Advances</i> , 2016, 6, 10430-10437.	3.6	88
21	Synthesis and swelling behavior of acrylatedstarch-g-poly (acrylic acid) and acrylatedstarch-g-poly (acrylamide) hydrogels. <i>Carbohydrate Polymers</i> , 2010, 79, 933-940.	10.2	84
22	Synthesis and super-swelling behavior of a novel protein-based superabsorbent hydrogel. <i>Polymer Bulletin</i> , 2006, 57, 813-824.	3.3	83
23	Injectable chitosan/Î²-carrageenan hydrogel designed with au nanoparticles: A conductive scaffold for tissue engineering demands. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 310-317.	7.5	83
24	Modified chitosan. II. H-chitoPAN, a novel pH-responsive superabsorbent hydrogel. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3115-3121.	2.6	75
25	pH and thermal dual-responsive poly(NIPAM-co-GMA)-coated magnetic nanoparticles via surface-initiated RAFT polymerization for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2020, 108, 110418.	7.3	73
26	Modified carrageenan. 4. Synthesis and swelling behavior of crosslinked Î²C-g-AMPS superabsorbent hydrogel with antisalt and pH-responsiveness properties. <i>Journal of Applied Polymer Science</i> , 2005, 98, 255-263.	2.6	72
27	Synthesis and Evaluation of pH and Thermosensitive Pectin-Based Superabsorbent Hydrogel for Oral Drug Delivery Systems. <i>Starch/Staerke</i> , 2009, 61, 161-172.	2.1	71
28	Synthesis of magnetic graphene oxide-containing nanocomposite hydrogels for adsorption of crystal violet from aqueous solution. <i>RSC Advances</i> , 2015, 5, 32263-32271.	3.6	70
29	Novel Nanoporous Superabsorbent Hydrogel Based on Poly(acrylic acid) Grafted onto Salep: Synthesis and Swelling Behavior. <i>Starch/Staerke</i> , 2008, 60, 467-475.	2.1	69
30	An environmentally friendly wound dressing based on a self-healing, extensible and compressible antibacterial hydrogel. <i>Green Chemistry</i> , 2021, 23, 1312-1329.	9.0	69
31	Green metal-organic frameworks (MOFs) for biomedical applications. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111670.	4.4	65
32	Swelling properties of CMC-g-poly (AA-co-AMPS) superabsorbent hydrogel. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3442-3449.	2.6	63
33	Crosslinked poly(ionic liquid) as high loaded dual acidic organocatalyst. <i>Journal of Molecular Catalysis A</i> , 2012, 365, 55-59.	4.8	61
34	Tungstate based poly(ionic liquid) entrapped magnetic nanoparticles: a robust oxidation catalyst. <i>Green Chemistry</i> , 2013, 15, 2913.	9.0	61
35	Mesoporous silica nanoparticles with bilayer coating of poly(acrylic acid-co-itaconic acid) and human serum albumin (HSA): A pH-sensitive carrier for gemcitabine delivery. <i>Materials Science and Engineering C</i> , 2016, 61, 782-790.	7.3	61
36	Modified Carrageenan. 1. H-CarragPAM, a Novel Biopolymer-Based Superabsorbent Hydrogel. <i>Journal of Bioactive and Compatible Polymers</i> , 2005, 20, 475-490.	2.1	60

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37	Gold immobilized onto poly(ionic liquid) functionalized magnetic nanoparticles: a robust magnetically recoverable catalyst for the synthesis of propargylamine in water. <i>RSC Advances</i> , 2015, 5, 34502-34510.	3.6	59
38	Synthesis, Characterization and Swelling Behavior of Gelatin-g-poly(sodium acrylate)/Kaolin Superabsorbent Hydrogel Composites. <i>Journal of Composite Materials</i> , 2007, 41, 2057-2069.	2.4	55
39	Novel carbon nanotube based organogels as candidates for oil recovery. <i>Polymer International</i> , 2013, 62, 179-183.	3.1	55
40	Mesoporous Silica Nanoparticles (MCM-41) Coated PEGylated Chitosan as a pH-Responsive Nanocarrier for Triggered Release of Erythromycin. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 692-697.	3.4	50
41	Functionalized mesoporous silica-coated magnetic graphene oxide by polyglycerol-g-polycaprolactone with pH-responsive behavior: Designed for targeted and controlled doxorubicin delivery. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 45-53.	5.8	50
42	Modification of Carbohydrate Polymers via Grafting in Air. 1. Ceric-Induced Synthesis of Starch-g-Polyacrylonitrile in Presence and Absence of Oxygen. <i>Starch/Staerke</i> , 2002, 54, 140-147.	2.1	49
43	Efficient removal of cationic dyes using a new magnetic nanocomposite based on starch-g-poly(vinylalcohol) and functionalized with sulfate groups. <i>RSC Advances</i> , 2016, 6, 38042-38051.	3.6	49
44	Synthesis and investigation of swelling behavior of new agar based superabsorbent hydrogel as a candidate for agrochemical delivery. <i>Journal of Polymer Research</i> , 2009, 16, 655-665.	2.4	47
45	Delivery of Hydrophobic Anticancer Drugs by Hydrophobically Modified Alginate Based Magnetic Nanocarrier. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 822-832.	3.7	47
46	Novel cationic-modified salep as an efficient flocculating agent for settling of cement slurries. <i>Carbohydrate Polymers</i> , 2013, 93, 506-511.	10.2	46
47	Irradiation mediated synthesis of a superabsorbent hydrogel network based on polyacrylamide grafted onto salep. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2008, 266, 3932-3938.	1.4	45
48	Chitosan based supramolecular polypseudorotaxane as a pH-responsive polymer and their hybridization with mesoporous silica-coated magnetic graphene oxide for triggered anticancer drug delivery. <i>Polymer</i> , 2015, 76, 52-61.	3.8	45
49	Role of CdO addition on the growth and photocatalytic activity of electrospun ZnO nanofibers: UV vs. visible light. <i>Applied Surface Science</i> , 2014, 298, 147-154.	6.1	44
50	Magnetic starch nanocomposite as a green heterogeneous support for immobilization of large amounts of copper ions: heterogeneous catalyst for click synthesis of 1,2,3-triazoles. <i>RSC Advances</i> , 2016, 6, 19128-19135.	3.6	44
51	Modification of Carbohydrate Polymers via Grafting in Air. 2. Ceric-Initiated Graft Copolymerization of Acrylonitrile onto Natural and Modified Polysaccharides. <i>Starch/Staerke</i> , 2002, 54, 482-488.	2.1	43
52	Magnetic pH-responsive nanocarrier with long spacer length and high colloidal stability for controlled delivery of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 49-54.	5.0	43
53	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8706-8720.	6.7	43
54	Optimized synthesis of carrageenan-graft-poly(sodium acrylate) superabsorbent hydrogel using the Taguchi method and investigation of its metal ion absorption. <i>Polymer International</i> , 2007, 56, 283-289.	3.1	42

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55	Synthesis, characterization and swelling behavior of chitosan- $\alpha$ -D-glucopyranoside as a novel full polysaccharide superabsorbent hydrogel. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2648-2655.	2.6	42
56	Grafting of acrylamide onto kappa-carrageenan via $^{60}\text{Co}$ -irradiation: Optimization and swelling behavior. <i>Radiation Physics and Chemistry</i> , 2008, 77, 131-137.	2.8	42
57	UV-prepared saiep-based nanoporous hydrogel for controlled release of tetracycline hydrochloride in colon. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 102, 232-240.	3.8	42
58	Synthesis and characterization of a novel (saiep phosphate)-based hydrogel as a carrier matrix for fertilizer release. <i>Reactive and Functional Polymers</i> , 2012, 72, 667-672.	4.1	42
59	Copper-loaded polymeric magnetic nanocatalysts as retrievable and robust heterogeneous catalysts for click reactions. <i>New Journal of Chemistry</i> , 2015, 39, 4591-4600.	2.8	42
60	New Protein-Based Hydrogel with Superabsorbing Properties: Effect of Monomer Ratio on Swelling Behavior and Kinetics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 9206-9213.	3.7	41
61	Novel nano-porous hydrogel as a carrier matrix for oral delivery of tetracycline hydrochloride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 392, 16-24.	4.7	41
62	Surface modification of cotton fabric with dual-responsive PNIPAAm/chitosan nano hydrogel. <i>Polymers for Advanced Technologies</i> , 2013, 24, 797-806.	3.2	41
63	Albumin-graphene oxide conjugates; carriers for anticancer drugs. <i>RSC Advances</i> , 2014, 4, 33001.	3.6	41
64	Codelivery of Hydrophobic and Hydrophilic Drugs by Graphene-Decorated Magnetic Dendrimers. <i>Langmuir</i> , 2018, 34, 15304-15318.	3.5	41
65	Enhanced photocatalytic activity of ZnO/g-C <sub>3</sub> N <sub>4</sub> nanofibers constituting carbonaceous species under simulated sunlight for organic dye removal. <i>Ceramics International</i> , 2021, 47, 26185-26196.	4.8	41
66	Carrageenan-gelatin-poly(acrylamide)/poly(vinylsulfonic acid, sodium salt) as a novel semi-IPN hydrogel: Synthesis, characterization, and swelling behavior. <i>Polymer Engineering and Science</i> , 2007, 47, 1388-1395.	3.1	40
67	Magnetic nanoparticles coated by acidic functionalized poly(amidoamine) dendrimer: Effective acidic organocatalyst. <i>Catalysis Communications</i> , 2012, 28, 86-89.	3.3	40
68	Hydrazine-modified starch coated magnetic nanoparticles as an effective pH-responsive nanocarrier for doxorubicin delivery. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 39, 203-209.	5.8	40
69	Synthesis and characterization of multi stimuli-responsive block copolymer-silica hybrid nanocomposite with core-shell structure via RAFT polymerization. <i>Composites Science and Technology</i> , 2020, 188, 107951.	7.8	40
70	Silver nanoparticles with gelatin nanoshells: photochemical facile green synthesis and their antimicrobial activity. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4647-4658.	1.9	38
71	Magnetic nanocomposite based on functionalized saiep as a green support for immobilization of palladium nanoparticles: Reusable heterogeneous catalyst for Suzuki coupling reactions. <i>Catalysis Communications</i> , 2017, 97, 27-31.	3.3	38
72	Fast Swelling Superabsorbent Hydrogels from Poly(2-hydroxy ethyl acrylate-co-sodium acrylate) Grafted on Starch. <i>Starch/Staerke</i> , 2008, 60, 79-86.	2.1	37

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73	Highly stretchable, self-adhesive, and self-healable double network hydrogel based on alginate/polyacrylamide with tunable mechanical properties. <i>Journal of Polymer Science</i> , 2020, 58, 2062-2073.	3.8	37
74	Optimization of synthetic conditions CMC-g-poly (acrylic acid)/Celite composite superabsorbent by Taguchi method and determination of its absorbency under load. <i>EXPRESS Polymer Letters</i> , 2007, 1, 488-494.	2.1	37
75	New polysaccharide-g-polyacrylonitrile copolymers: synthesis and thermal characterization. <i>Polymers for Advanced Technologies</i> , 2003, 14, 508-516.	3.2	36
76	A convenient one-step preparation of chitosan-poly(sodium acrylate-co-acrylamide) hydrogel hybrids with super-swelling properties. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1615-1619.	2.6	36
77	Multi-stimuli-responsive hydrogels and their medical applications. <i>New Journal of Chemistry</i> , 2021, 45, 15705-15717.	2.8	36
78	Novel silver nano-wedges for killing microorganisms. <i>Materials Research Bulletin</i> , 2011, 46, 1860-1865.	5.2	35
79	Porous Carrageenan-g-polyacrylamide/bentonite superabsorbent composites: swelling and dye adsorption behavior. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	35
80	Modified CMC. V. Synthesis and super-swelling behavior of hydrolyzed CMC-g-PAN hydrogel. <i>Journal of Applied Polymer Science</i> , 2007, 103, 877-883.	2.6	34
81	Hydrogel nanocomposite based on chitosan-g-acrylic acid and modified nanosilica with high adsorption capacity for heavy metal ion removal. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 725-734.	2.4	34
82	Smart Pectin-based Superabsorbent Hydrogel as a Matrix for Ibuprofen as an Oral Non-steroidal Anti-inflammatory Drug Delivery. <i>Starch/Staerke</i> , 2009, 61, 173-187.	2.1	33
83	Semi-IPN carrageenan-based nanocomposite hydrogels: Synthesis and swelling behavior. <i>Journal of Applied Polymer Science</i> , 2010, 118, 2989-2997.	2.6	33
84	Adsorption characteristics of malachite green dye onto novel kappa-carrageenan-g-polyacrylic acid/TiO <sub>2</sub> -NH <sub>2</sub> hydrogel nanocomposite. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1057-1065.	2.2	33
85	Magnetic nanoparticles entrapped in the cross-linked poly(imidazole/imidazolium) immobilized Cu( <sup>II</sup> ): an effective heterogeneous copper catalyst. <i>RSC Advances</i> , 2014, 4, 46418-46426.	3.6	33
86	Salt- and pH-Resisting Collagen-based Highly Porous Hydrogel. <i>Polymer Journal</i> , 2008, 40, 94-103.	2.7	32
87	A superabsorbent hydrogel network based on poly((2-dimethylaminoethyl) methacrylate) and sodium alginate obtained by <sup>60</sup> Co- $\gamma$ -radiation: synthesis and characterization. <i>Iranian Polymer Journal (English)</i> Tj ETQq1 1 0.784214 rgBT 30verloc	2.4	32
88	Graphene oxide/poly(vinyl imidazole) nanocomposite: an effective support for preparation of highly loaded heterogeneous copper catalyst. <i>Applied Organometallic Chemistry</i> , 2015, 29, 601-607.	3.5	32
89	Synthesis and swelling behavior of a new superabsorbent hydrogel network based on polyacrylamide grafted onto salep. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2625-2633.	2.6	31
90	Magnetic removal of crystal violet from aqueous solutions using polysaccharide-based magnetic nanocomposite hydrogels. <i>Polymer International</i> , 2013, 62, 1038-1044.	3.1	31

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91	Optimization of synthetic conditions of a novel collagen-based superabsorbent hydrogel by Taguchi method and investigation of its metal ions adsorption. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4878-4885.	2.6	29
92	Novel polyelectrolyte gels as absorbent polymers for nonpolar organic solvents based on polymerizable ionic liquids. <i>Polymer</i> , 2012, 53, 5737-5742.	3.8	29
93	Synthesis and characterization of semi-conductive nanocomposite based on hydrolyzed collagen and in vitro electrically controlled drug release study. <i>Polymer</i> , 2015, 76, 287-294.	3.8	29
94	Folate-Conjugated pH-Responsive Nanocarrier Designed for Active Tumor Targeting and Controlled Release of Gemcitabine. <i>Pharmaceutical Research</i> , 2016, 33, 417-432.	3.5	29
95	Synthesis and characterization of magnetic hybrid nanomaterials via RAFT polymerization: A pH sensitive drug delivery system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 153-160.	5.0	29
96	Cross-linked poly(dimethylaminoethyl acrylamide) coated magnetic nanoparticles: a high loaded, retrievable, and stable basic catalyst for the synthesis of benzopyranes in water. <i>RSC Advances</i> , 2014, 4, 50047-50055.	3.6	28
97	Immobilized copper(II) on nitrogen-rich polymer-entrapped Fe <sub>3</sub> O <sub>4</sub> nanoparticles: a highly loaded and magnetically recoverable catalyst for aqueous click chemistry. <i>Applied Organometallic Chemistry</i> , 2016, 30, 73-80.	3.5	28
98	Gold nanoparticles anchored onto the magnetic poly(ionic liquid) polymer as robust and recoverable catalyst for reduction of Nitroarenes. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3825.	3.5	28
99	Graphene oxide functionalized with oxygen-rich polymers as a pH-sensitive carrier for co-delivery of hydrophobic and hydrophilic drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101542.	3.0	28
100	Optimization of synthesis conditions of a novel carrageenan-based superabsorbent hydrogel by Taguchi method and investigation of its metal ions adsorption. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2970-2976.	2.6	27
101	Thermally Conductive and Superhydrophobic Polyurethane Sponge for Solar-Assisted Separation of High-Viscosity Crude Oil from Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 7329-7339.	8.0	27
102	Hydrolyzed collagen-based hydrogel with salt and pH-responsiveness properties. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2371-2379.	2.6	26
103	Synthesis and Investigation of Swelling Behavior of Grafted Alginate/Alumina Superabsorbent Composite. <i>Starch/Staerke</i> , 2008, 60, 457-466.	2.1	26
104	Polymer-functionalized carbon nanotubes in cancer therapy: a review. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 387-403.	2.4	26
105	Copper loaded cross-linked poly(ionic liquid): robust heterogeneous catalyst in ppm amount. <i>RSC Advances</i> , 2015, 5, 29609-29617.	3.6	26
106	Tungstate-loaded triazine-based magnetic poly(Bis-imidazolium ionic liquid): An effective bi-functional catalyst for tandem selective oxidation/Knoevenagel condensation in water. <i>Polymer</i> , 2017, 112, 342-350.	3.8	26
107	Applications of Polymeric Reagents in Organic Synthesis. <i>Monatshefte für Chemie</i> , 2007, 138, 363-379.	1.8	25
108	Magnetic, thermally stable, and superhydrophobic polyurethane sponge: A high efficient adsorbent for separation of the marine oil spill pollution. <i>Chemosphere</i> , 2022, 287, 132254.	8.2	25

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109	Novel Superabsorbent Hydrogel Based on Natural Hybrid Backbone: Optimized Synthesis and its Swelling Behavior. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2680-2686.	1.9	25
110	Poly(basic ionic liquid) coated magnetic nanoparticles: High-loaded supported basic ionic liquid catalyst. <i>Comptes Rendus Chimie</i> , 2013, 16, 906-911.	0.5	24
111	Synthesis, characterization and mechanistic study of nano chitosan tetrazole as a novel and promising platform for CRISPR delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 116-126.	3.4	24
112	Synthesis of soluble $\alpha$ -functionalized polysaccharide derivatives using phenyl carbonate precursor and their application as catalysts. <i>Starch/Staerke</i> , 2011, 63, 780-791.	2.1	23
113	Fully supramolecular vesicles as anticancer drug delivery systems. <i>New Journal of Chemistry</i> , 2013, 37, 295-298.	2.8	23
114	Poly(N-isopropylacrylamide)-coated $\beta$ -cyclodextrin-capped magnetic mesoporous silica nanoparticles exhibiting thermal and pH dual response for triggered anticancer drug delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 336-348.	3.4	23
115	Magnetic and light-responsive nanogels based on chitosan functionalized with Au nanoparticles and poly(N-isopropylacrylamide) as a remotely triggered drug carrier. <i>New Journal of Chemistry</i> , 2020, 44, 17302-17312.	2.8	23
116	Interaction of $Mg^{2+}$ , $Ca^{2+}$ , $Zn^{2+}$ and $Cu^{+}$ with cytosine nucleosides: Influence of metal on sugar puckering and stability of N-Glycosidic bond, a DFT study. <i>Computational and Theoretical Chemistry</i> , 2009, 913, 117-125.	1.5	22
117	Preparation of PVA nanocomposites using salep-reduced graphene oxide with enhanced mechanical and biological properties. <i>RSC Advances</i> , 2015, 5, 92428-92437.	3.6	20
118	Magnetic GO-PANI decorated with Au NPs: A highly efficient and reusable catalyst for reduction of dyes and nitro aromatic compounds. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3881.	3.5	20
119	Superabsorbent polymer as nanoreactors for preparation of hematite nanoparticles and application of the prepared nanocatalyst for the Friedel-Crafts acylation. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 466-471.	0.6	19
120	New smart carrageenan-based superabsorbent hydrogel hybrid: Investigation of swelling rate and environmental responsiveness. <i>Journal of Applied Polymer Science</i> , 2010, 117, 3228-3238.	2.6	19
121	The effect of protein corona on doxorubicin release from the magnetic mesoporous silica nanoparticles with polyethylene glycol coating. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	19
122	Palladium nanoparticle-decorated magnetic pomegranate peel-derived porous carbon nanocomposite as an excellent catalyst for Suzuki-Miyaura and Sonogashira cross-coupling reactions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4480.	3.5	19
123	An advancement in the synthesis of nano Pd@magnetic amine-Functionalized UiO-66-NH <sub>2</sub> catalyst for cyanation and O-arylation reactions. <i>Scientific Reports</i> , 2021, 11, 11387.	3.3	19
124	Synthesis and Properties of Partially Hydrolyzed Acrylonitrile-co-Acrylamide Superabsorbent Hydrogel. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3163-3172.	1.9	19
125	Effect of different bases and neutralization steps on porosity and properties of collagen-based hydrogels. <i>Polymer International</i> , 2010, 59, 36-42.	3.1	18
126	Dendritic magnetite decorated by pH-responsive PEGylated starch: a smart multifunctional nanocarrier for the triggered release of anti-cancer drugs. <i>RSC Advances</i> , 2015, 5, 48586-48595.	3.6	18



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127	Polyacrylamide-grafted magnetic reduced graphene oxide nanocomposite: preparation and adsorption properties. <i>Colloid and Polymer Science</i> , 2019, 297, 917-926.	2.1	18
128	Poly(glycidyl methacrylate)-coated magnetic graphene oxide as a highly efficient nanocarrier: preparation, characterization, and targeted DOX delivery. <i>New Journal of Chemistry</i> , 2019, 43, 18647-18656.	2.8	18
129	Irradiation synthesis of biopolymer-based superabsorbent hydrogel: Optimization using the Taguchi method and investigation of its swelling behavior. <i>Advances in Polymer Technology</i> , 2009, 28, 131-140.	1.7	17
130	DFT study of the interaction of cytidine and 2-deoxycytidine with Li <sup>+</sup> , Na <sup>+</sup> , and K <sup>+</sup> : effects of metal cationization on sugar puckering and stability of the N-glycosidic bond. <i>Carbohydrate Research</i> , 2009, 344, 771-778.	2.3	17
131	PEG-co-Polyvinyl Pyridine Coated Magnetic Mesoporous Silica Nanoparticles for pH-Responsive Controlled Release of Doxorubicin. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 570-577.	3.4	17
132	Graphene oxide/poly(imidazole/imidazolium) nanocomposite: An effective support for immobilization of large amounts of Pd nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 38, 82-92.	5.8	17
133	Novel highly swelling nanoporous hydrogel based on polysaccharide/protein hybrid backbone. <i>Journal of Polymer Research</i> , 2011, 18, 337-346.	2.4	16
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