Nurettin Sahiner

List of Publications by Year
in descending order

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297	10,095	34105	66911
papers	citations	52 h-index	78 g-index

300	300	300	8418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Removal of toxic metal ions with magnetic hydrogels. Water Research, 2009, 43, 4403-4411.	11.3	366
2	Soft and flexible hydrogel templates of different sizes and various functionalities for metal nanoparticle preparation and their use in catalysis. Progress in Polymer Science, 2013, 38, 1329-1356.	24.7	284
3	A soft hydrogel reactor for cobalt nanoparticle preparation and use in the reduction of nitrophenols. Applied Catalysis B: Environmental, 2010, 101, 137-143.	20.2	277
4	New catalytic route: Hydrogels as templates and reactors for in situ Ni nanoparticle synthesis and usage in the reduction of 2- and 4-nitrophenols. Applied Catalysis A: General, 2010, 385, 201-207.	4.3	246
5	Microgel, nanogel and hydrogelâ€“hydrogel semi-IPN composites for biomedical applications: synthesis and characterization. Colloid and Polymer Science, 2006, 284, 1121-1129.	2.1	180
6	Utilization of magnetic hydrogels in the separation of toxic metal ions from aqueous environments. Desalination, 2010, 260, 57-64.	8.2	154
7	Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties. International Journal of Biological Macromolecules, 2016, 82, 150-159.	7.5	129
8	One-step fabrication of biocompatible carboxymethyl cellulose polymeric particles for drug delivery systems. Carbohydrate Polymers, 2011, 86, 636-643.	10.2	112
9	Natural microgranular cellulose as alternative catalyst to metal nanoparticles for H2 production from NaBH4 methanolysis. Applied Catalysis B: Environmental, 2017, 202, 199-206.	20.2	108
10	Hydrogel assisted nickel nanoparticle synthesis and their use in hydrogen production from sodium boron hydride. International Journal of Hydrogen Energy, 2011, 36, 1998-2006.	7.1	100
11	A versatile hydrogel template for metal nano particle preparation and their use in catalysis. Polymer, 2011, 52, 4834-4840.	3.8	95
12	Hydrogelâ€“Biochar composites for effective organic contaminant removal from aqueous media. Desalination, 2011, 280, 319-325.	8.2	94
13	Cationic hydrogels for toxic arsenate removal from aqueous environment. Journal of Environmental Management, 2008, 88, 955-961.	7.8	93
14	Superabsorbent hydrogels for cobalt nanoparticle synthesis and hydrogen production from hydrolysis of sodium boron hydride. Applied Catalysis B: Environmental, 2011, 102, 201-206.	20.2	89
15	In situ metal particle preparation in cross-linked poly(2-acrylamido-2-methyl-1-propansulfonic acid) hydrogel networks. Colloid and Polymer Science, 2006, 285, 283-292.	2.1	88
16	Single step natural poly(tannic acid) particle preparation as multitalented biomaterial. Materials Science and Engineering C, 2015, 49, 824-834.	7.3	86
17	Biosynthesis and Characterization of Laccase Catalyzed Poly(Catechol). Journal of Polymers and the Environment, 2003, 11, 123-128.	5.0	81
18	The use of superporous p(AAc (acrylic acid)) cryogels as support for Co and Ni nanoparticle preparation and as reactor in H2 production from sodium borohydride hydrolysis. Energy, 2014, 71, 170-179.	8.8	78

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19	Cationic microgels embedding metal nanoparticles in the reduction of dyes and nitro-phenols. Chemical Engineering Journal, 2015, 265, 201-209.	12.7	78
20	Hydrogen production from ammonia borane via hydrogel template synthesized Cu, Ni, Co composites. International Journal of Hydrogen Energy, 2011, 36, 8209-8216.	7.1	77
21	Cryogel composites based on hyaluronic acid and halloysite nanotubes as scaffold for tissue engineering. International Journal of Biological Macromolecules, 2019, 130, 627-635.	7.5	77
22	Controllable hydrogen generation by use smart hydrogel reactor containing Ru nano catalyst and magnetic iron nanoparticles. Journal of Power Sources, 2011, 196, 10105-10111.	7.8	75
23	Enhanced catalytic performance in hydrogen generation from NaBH4 hydrolysis by super porous cryogel supported Co and Ni catalysts. Journal of Power Sources, 2014, 272, 128-136.	7.8	74
24	Inherently antioxidant and antimicrobial tannic acid release from poly(tannic acid) nanoparticles with controllable degradability. Colloids and Surfaces B: Biointerfaces, 2016, 142, 334-343.	5.0	74
25	Radiation synthesis, characterization and amidoximation of N-vinyl-2-pyrrolidone/acrylonitrile interpenetrating polymer networks. Reactive and Functional Polymers, 1999, 39, 139-146.	4.1	73
26	An approach for prediction of optimum reaction conditions for laccase-catalyzed bio-transformation of 1-naphthol by response surface methodology (RSM). Bioresource Technology, 2008, 99, 2025-2031.	9.6	71
27	Environmentally benign halloysite clay nanotubes as alternative catalyst to metal nanoparticles in H 2 production from methanolysis of sodium borohydride. Fuel Processing Technology, 2017, 158, 1-8.	7.2	71
28	Synthesis, characterization and modification of Gum Arabic microgels for hemocompatibility and antimicrobial studies. Carbohydrate Polymers, 2017, 156, 380-389.	10.2	71
29	The Influence of Preparation Methods on the Swelling and Network Properties of Acrylamide Hydrogels with Crosslinkers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 419-431.	2.2	68
30	Coreâ€“shell nanohydrogel structures as tunable delivery systems. Polymer, 2007, 48, 704-711.	3.8	68
31	Utilization of Smart Hydrogelâ€“Metal Composites as Catalysis Media. Journal of Colloid and Interface Science, 2012, 373, 122-128.	9.4	68
32	P(4-VP) based nanoparticles and composites with dual action as antimicrobial materials. Colloids and Surfaces B: Biointerfaces, 2010, 79, 460-466.	5.0	67
33	The on demand generation of hydrogen from Co-Ni bimetallic nano catalyst prepared by dual use of hydrogel: As template and as reactor. International Journal of Hydrogen Energy, 2011, 36, 15250-15258.	7.1	67
34	Fabrication and characterization of cross-linkable hydrogel particles based on hyaluronic acid: potential application in vocal fold regeneration. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 223-243.	3.5	66
35	Optimization of removal conditions of copper ions from aqueous solutions by Trametes versicolor. Bioresource Technology, 2010, 101, 4520-4526.	9.6	65
36	Nitrogen and Sulfur Doped Carbon Dots from Amino Acids for Potential Biomedical Applications. Journal of Fluorescence, 2019, 29, 1191-1200.	2.5	65

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37	Catalytic activity of amine functionalized titanium dioxide nanoparticles in methanolysis of sodium borohydride for hydrogen generation. Applied Catalysis B: Environmental, 2020, 261, 118242.	20.2	65
38	An alternative to metal catalysts: Poly(4-vinyl pyridine)-based polymeric ionic liquid catalyst forÂH2 generation from hydrolysis and methanolysis of NaBH4. International Journal of Hydrogen Energy, 2016, 41, 20562-20572.	7.1	62
39	Swelling and dye adsorption properties of radiation induced N -vinyl-2-pyrrolidone/acrylonitrile hydrogels. Polymer Bulletin, 1998, 41, 371-378.	3.3	61
40	Superior reusability of metal catalysts prepared within poly(ethylene imine) microgels for H2 production from NaBH4 hydrolysis. Fuel Processing Technology, 2014, 127, 88-96.	7.2	61
41	Hyaluronic acid hydrogel particles with tunable charges as potential drug delivery devices. Carbohydrate Polymers, 2011, 84, 1306-1313.	10.2	60
42	Quaternized polymeric microgels as metal free catalyst for H2 production from the methanolysis of sodium borohydride. Journal of Power Sources, 2016, 336, 27-34.	7.8	60
43	The use of poly(vinyl phosphonic acid) microgels for the preparation of inherently magnetic Co metal catalyst particles in hydrogen production. Journal of Power Sources, 2014, 246, 55-62.	7.8	59
44	Carbon spheres from lactose as green catalyst for fast hydrogen production via methanolysis. International Journal of Hydrogen Energy, 2018, 43, 9687-9695.	7.1	58
45	Rheological characterization of a charged cationic hydrogel network across the gelation boundary. Polymer, 2006, 47, 1124-1131.	3.8	57
46	Arsenic (V) removal with modifiable bulk and nano p(4-vinylpyridine)-based hydrogels: The effect of hydrogel sizes and quarternization agents. Desalination, 2011, 279, 344-352.	8.2	57
47	Simultaneous catalytic degradation/reduction of multiple organic compounds by modifiable p(methacrylic acid-co-acrylonitrile)â€“M (M: Cu, Co) microgel catalyst composites. New Journal of Chemistry, 2016, 40, 1485-1496.	2.8	57
48	Modified multi-wall carbon nanotubes as metal free catalyst for application in H2 production from methanolysis of NaBH4. Journal of Power Sources, 2017, 366, 178-184.	7.8	57
49	Development of new chelating hydrogels based on N-vinyl imidazole and acrylonitrile. Radiation Physics and Chemistry, 2000, 59, 485-491.	2.8	56
50	Very fast catalytic reduction of 4-nitrophenol, methylene blue and eosin Y in natural waters using green chemistry: p(tannic acid)â€“Cu ionic liquid composites. RSC Advances, 2015, 5, 18183-18195.	3.6	56
51	The resourcefulness of p(4-VP) cryogels as template for in situ nanoparticle preparation of various metals and their use in H2 production, nitro compound reduction and dye degradation. Applied Catalysis B: Environmental, 2015, 166-167, 145-154.	20.2	56
52	Novel hydrogel particles and their IPN films as drug delivery systems with antibacterial properties. Colloids and Surfaces B: Biointerfaces, 2012, 89, 248-253.	5.0	54
53	Benign Preparation of Metalâ€“Organic Frameworks of Trimesic Acid and Cu, Co or Ni for Potential Sensor Applications. Journal of Electronic Materials, 2015, 44, 136-143.	2.2	53
54	Polyethyleneimine modified poly(Hyaluronic acid) particles with controllable antimicrobial and anticancer effects. Carbohydrate Polymers, 2017, 159, 29-38.	10.2	53

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55	Various amine functionalized halloysite nanotube as efficient metal free catalysts for H 2 generation from sodium borohydride methanolysis. Applied Clay Science, 2017, 146, 517-525.	5.2	53
56	Uranyl ion adsorptivity of N-vinyl 2-pyrrolidone/acrylonitrile copolymeric hydrogels containing amidoxime groups. Polymer Bulletin, 2000, 44, 593-600.	3.3	52
57	Use of amidoximated acrylonitrile/N-vinyl 2-pyrrolidone interpenetrating polymer networks for uranyl ion adsorption from aqueous systems. Journal of Applied Polymer Science, 2001, 81, 2324-2329.	2.6	52
58	Enhanced Catalytic Activity in the Reduction of 4-Nitrophenol and 2-Nitrophenol by p(AMPS)-Cu(0) Hydrogel Composite Materials. Current Nanoscience, 2012, 8, 367-374.	1.2	52
59	Preparation of macro-, micro-, and nano-sized poly(Tannic acid) particles with controllable degradability and multiple biomedical uses. Polymer Degradation and Stability, 2016, 129, 96-105.	5.8	52
60	Magnetic colloidal polymeric ionic liquid synthesis and use in hydrogen production. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 449, 87-95.	4.7	51
61	Glaucoma drainage devices: state of the art. Expert Review of Medical Devices, 2006, 3, 509-521.	2.8	50
62	Superporous P(2-hydroxyethyl methacrylate) cryogel-M (M:Co, Ni, Cu) composites as highly effective catalysts in H 2 generation from hydrolysis of NaBH 4 and NH 3 BH 3. International Journal of Hydrogen Energy, 2014, 39, 15455-15463.	7.1	50
63	Preparation of superporous poly(4-vinyl pyridine) cryogel and their templated metal nanoparticle composites for H2 production via hydrolysis reactions. Fuel Processing Technology, 2014, 126, 324-331.	7.2	50
64	Imidazolium based polymeric ionic liquid microgels as an alternative catalyst to metal catalysts for H 2 generation from methanolysis of NaBH 4. Fuel Processing Technology, 2016, 152, 316-324.	7.2	50
65	A New Application for Colloidal Silica Particles: Natural, Environmentally Friendly, Low-Cost, and Reusable Catalyst Material for H₂ Production from NaBH₄ Methanolysis. Industrial & Engineering Chemistry Research, 2016, 55, 11245-11252.	3.7	50
66	Uranyl ion binding properties of poly(hydroxamic acid) hydrogels. Polymer Bulletin, 2001, 47, 81-89.	3.3	48
67	PEI-based ionic liquid colloids for versatile use: Biomedical and environmental applications. Journal of Molecular Liquids, 2014, 194, 85-92.	4.9	48
68	The use of superporous p(3-acrylamidopropyl)trimethyl ammonium chloride cryogels for removal of toxic arsenate anions. Journal of Environmental Management, 2015, 152, 66-74.	7.8	48
69	Colloidal nanocomposite hydrogel particles. Colloid and Polymer Science, 2006, 285, 413-421.	2.1	47
70	Modifiable chemically crosslinked poli(Î²-carrageenan) particles. Carbohydrate Polymers, 2012, 87, 2718-2724.	10.2	47
71	Biochar-Embedded Soft Hydrogel and Their Use in Ag Nanoparticle Preparation and Reduction of 4-Nitro Phenol. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 590-595.	3.4	47
72	Metal nanoparticle-embedded super porous poly(3-sulfopropyl methacrylate) cryogel for H 2 production from chemical hydride hydrolysis. International Journal of Hydrogen Energy, 2014, 39, 14690-14700.	7.1	47

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73	Degradable tannic acid/polyethyleneimine polyplex particles with highly antioxidant and antimicrobial effects. Polymer Degradation and Stability, 2016, 133, 152-161.	5.8	47
74	Metal-free pyridinium-based polymeric ionic liquids as catalyst for H2 generation from NaBH4. Renewable Energy, 2017, 101, 1005-1012.	8.9	47
75	An amino acid, l-Glutamic acid-based metal-organic frameworks and their antibacterial, blood compatibility, biocompatibility, and sensor properties. Microporous and Mesoporous Materials, 2020, 309, 110533.	4.4	47
76	Gold recovery onto poly(acrylamide-allylthiourea) hydrogels synthesized by treating with gamma radiation. Analytica Chimica Acta, 2005, 547, 18-25.	5.4	46
77	Micro poly(3-sulfopropyl methacrylate) hydrogel synthesis for in situ metal nanoparticle preparation and hydrogen generation from hydrolysis of NaBH4. Energy, 2013, 55, 511-518.	8.8	45
78	Very fast H₂production from the methanolysis of NaBH₄by metal-free poly(ethylene imine) microgel catalysts. International Journal of Energy Research, 2017, 41, 736-746.	4.5	45
79	Synthesis and characterization of soft polymeric nanoparticles and composites with tunable properties. Journal of Polymer Science Part A, 2010, 48, 5239-5246.	2.3	44
80	P(4-vinyl pyridine) hydrogel use for the removal of and Th4+ from aqueous environments. Journal of Environmental Management, 2011, 92, 3121-3129.	7.8	44
81	Development of novel adsorbent materials for recovery and enrichment of uranium from aqueous media. Journal of Applied Polymer Science, 1997, 66, 2475-2480.	2.6	42
82	Hydrogel nanonetworks with functional coreâ€“shell structure. European Polymer Journal, 2007, 43, 1709-1717.	5.4	42
83	Modified biofunctional p(tannic acid) microgels and their antimicrobial activity. Applied Surface Science, 2015, 354, 306-313.	6.1	42
84	In situ micro/nano-hydrogel synthesis from acrylamide derivates with lecithin organogel system. Polymer, 2007, 48, 2827-2834.	3.8	41
85	Colloidal drug carries from (sub)micron hyaluronic acid hydrogel particles with tunable properties for biomedical applications. Carbohydrate Polymers, 2010, 82, 997-1003.	10.2	41
86	Utilization of Environmentally Benign Hydrogels and Their Networks as Reactor Media in the Catalytic Reduction of Nitrophenols. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 60, 163-173.	3.4	41
87	The generation of desired functional groups on poly(4-vinyl pyridine) particles by post-modification technique for antimicrobial and environmental applications. Journal of Colloid and Interface Science, 2013, 402, 327-333.	9.4	41
88	Hyaluronic acid and hyaluronic acid: Sucrose nanogels for hydrophobic cancer drug delivery. International Journal of Biological Macromolecules, 2019, 126, 1150-1157.	7.5	41
89	RADIATION INDUCED ACRYLAMIDE/CITRIC ACID HYDROGELS AND THEIR SWELLING BEHAVIORS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1105-1121.	2.2	40
90	Highly Porous Acrylonitrile-Based Submicron Particles for UO22+ Absorption in an Immunosensor Assay. ACS Applied Materials & Interfaces, 2012, 4, 163-170.	8.0	40

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91	Facile synthesis and characterization of trimesic acid-Cu based metal organic frameworks. Applied Surface Science, 2014, 314, 663-669.	6.1	40
92	Porous carbon particles as metal-free superior catalyst for hydrogen release from methanolysis of sodium borohydride. Renewable Energy, 2020, 147, 69-76.	8.9	40
93	Creation of a Drug-Coated Glaucoma Drainage Device Using Polymer Technology. JAMA Ophthalmology, 2009, 127, 448.	2.4	39
94	Poly(acrylamide-co-vinyl sulfonic acid) p(AAm-co-VSA) hydrogel templates for Co and Ni metal nanoparticle preparation and their use in hydrogen production. International Journal of Hydrogen Energy, 2013, 38, 777-784.	7.1	39
95	p(AAGA) hydrogel reactor for in situ Co and Ni nanoparticle preparation and use in hydrogen generation from the hydrolysis of sodium borohydride. Chemical Engineering Science, 2012, 82, 114-120.	3.8	38
96	Soft hydrogels for dual use: Template for metal nanoparticle synthesis and a reactor in the reduction of nitrophenols. Journal of Non-Crystalline Solids, 2012, 358, 758-764.	3.1	38
97	The preparation of poly(vinyl phosphonic acid) hydrogels as new functional materials for in situ metal nanoparticle preparation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 418, 76-83.	4.7	38
98	Radiation synthesis of n-vinyl 2-pyrrolidone/acrylonitrile interpenetrating polymer networks and their use in uranium recovery from aqueous systems. Radiation Physics and Chemistry, 1998, 52, 271-276.	2.8	37
99	Versatile p(3-sulfopropyl methacrylate) hydrogel reactor for the preparation of Co, Ni nanoparticles and their use in hydrogen production. Journal of Industrial and Engineering Chemistry, 2013, 19, 1218-1225.	5.8	37
100	Preparation of poly(ethylene imine) particles for versatile applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 212-218.	4.7	37
101	H2 generation from NaBH4 and NH3BH3 using metal catalysts prepared within p(VI) capsule particles. Fuel Processing Technology, 2014, 125, 148-154.	7.2	37
102	Multiresponsive polymeric particles with tunable morphology and properties based on acrylonitrile (AN) and 4-vinylpyridine (4-VP). Polymer, 2010, 51, 3156-3163.	3.8	36
103	Monodispersed p(2-VP) and p(2-VP-co-4-VP) particle preparation and their use as template for metal nanoparticle and as catalyst for H2 production from NaBH4 and NH3BH3 hydrolysis. International Journal of Hydrogen Energy, 2014, 39, 10476-10484.	7.1	36
104	Dicationic poly(4-vinyl pyridinium) ionic liquid capsules as template for Co nanoparticle preparation and H2 production from hydrolysis of NaBH4. Journal of Industrial and Engineering Chemistry, 2015, 23, 100-108.	5.8	36
105	Preparation and characterization of monodisperse, mesoporous natural poly(tannic acid)â€“silica nanoparticle composites with antioxidant properties. Microporous and Mesoporous Materials, 2016, 226, 316-324.	4.4	36
106	Polydopamine particles as nontoxic, blood compatible, antioxidant and drug delivery materials. Colloids and Surfaces B: Biointerfaces, 2018, 172, 618-626.	5.0	36
107	Highly charged p(4-vinylpyridine-co-vinylimidazole) particles for versatile applications: Biomedical, catalysis and environmental. Reactive and Functional Polymers, 2011, 71, 607-615.	4.1	35
108	P(TA) macro-, micro-, nanoparticle-embedded super porous p(HEMA) cryogels as wound dressing material. Materials Science and Engineering C, 2017, 70, 317-326.	7.3	35

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109	Synthesis and preparation of responsive poly(Dimethyl acrylamide/gelatin and pomegranate extract) as a novel food packaging material. Materials Science and Engineering C, 2020, 108, 110339.	7.3	35
110	AMIDOXIMATION AND CHARACTERIZATION OF NEW COMPLEXING HYDROGELS PREPARED FROM N-VINYL 2-PYRROLIDONE/ACRYLONITRILE SYSTEMS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2000, 37, 1159-1172.	2.2	34
111	A novel p(AAm-co-VPA) hydrogel for the Co and Ni nanoparticle preparation and their use in hydrogel generation from NaBH4. Fuel Processing Technology, 2012, 104, 31-36.	7.2	34
112	In situ preparation of polyaniline within neutral, anionic, and cationic superporous cryogel networks as conductive, semiâ€interpenetrating polymer network cryogel composite systems. Journal of Applied Polymer Science, 2016, 133, .	2.6	34
113	Mesoporous, degradable hyaluronic acid microparticles for sustainable drug delivery application. Colloids and Surfaces B: Biointerfaces, 2019, 177, 284-293.	5.0	34
114	One step poly(quercetin) particle preparation as biocolloid and its characterization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 452, 173-180.	4.7	33
115	Energy and environmental usage of super porous poly(2-acrylamido-2-methyl-1-propan sulfonic acid) cryogel support. RSC Advances, 2014, 4, 23886-23897.	3.6	33
116	Betaine microgel preparation from 2-(methacryloyloxy) ethyl] dimethyl (3-sulfopropyl) ammonium hydroxide and its use as a catalyst system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 29-37.	4.7	33
117	Versatile Fluorescent Carbon Dots from Citric Acid and Cysteine with Antimicrobial, Anti-biofilm, Antioxidant, and AChE Enzyme Inhibition Capabilities. Journal of Fluorescence, 2021, 31, 1705-1717.	2.5	33
118	Hydrogels as a Potential Chromatographic System: Absorption, Speciation, and Separation of Chromium Species from Aqueous Media. Separation Science and Technology, 2011, 46, 1450-1461.	2.5	32
119	Hydrogel particles with core shell morphology for versatile applications: Environmental, biomedical and catalysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 386, 16-24.	4.7	32
120	Responsive tunable colloidal soft materials based on p(4-VP) for potential biomedical and environmental applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 378, 50-59.	4.7	32
121	PEI-based hydrogels with different morphology and sizes: Bulkgel, microgel, and cryogel for catalytic energy and environmental catalytic applications. European Polymer Journal, 2016, 76, 156-169.	5.4	31
122	Can PEI microgels become biocompatible upon betainization?. Materials Science and Engineering C, 2017, 77, 642-648.	7.3	31
123	Super-fast hydrogen generation via super porous Q-P(VI)-M cryogel catalyst systems from hydrolysis of NaBH4. International Journal of Hydrogen Energy, 2015, 40, 4605-4616.	7.1	30
124	Superporous hyaluronic acid cryogel composites embedding synthetic polyethyleneimine microgels and Halloysite Nanotubes as natural clay. European Polymer Journal, 2017, 93, 775-784.	5.4	30
125	Synthesis, characterization, and application of a novel water-soluble polyethyleneimine-based Schiff base colorimetric chemosensor for metal cations and biological activity. Sensors and Actuators B: Chemical, 2017, 252, 55-61.	7.8	30
126	Hydrogel templated CdS quantum dots synthesis and their characterization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 389, 6-11.	4.7	29

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127	Porous and modified HA particles as potential drug delivery systems. Microporous and Mesoporous Materials, 2012, 155, 124-130.	4.4	29
128	The Use of Metal Nanoparticle-Embedded Poly(ethyleneimine) Composite Microgel in the Reduction of Nitrophenols. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	29
129	Introduction of double amidoxime group by double post surface modification on poly(vinylbenzyl) Tj ETQq1 1 0.784314 rgBT /Overlock Interface Science, 2016, 470, 39-46.	9.4	29
130	Poly(vinyl phosphonic acid) nanogels with tailored properties and their use for biomedical and environmental applications. European Polymer Journal, 2016, 75, 264-275.	5.4	29
131	Synthesis and modification of p(VI) microgels for in situ metal nanoparticle preparation and their use as catalyst for hydrogen generation from NaBH4 hydrolysis. Fuel Processing Technology, 2013, 111, 14-21.	7.2	28
132	One step poly(rutin) particle preparation as biocolloid and its characterization. Materials Science and Engineering C, 2014, 44, 9-16.	7.3	28
133	Fast removal of high quantities of toxic arsenate via cationic p(APTMACl) microgels. Journal of Environmental Management, 2016, 166, 217-226.	7.8	28
134	Modifiable natural gum based microgel capsules as sustainable drug delivery systems. Carbohydrate Polymers, 2018, 200, 128-136.	10.2	28
135	Inhibition of Cell Proliferation by Mitomycin C Incorporated into P(HEMA) Hydrogels. Journal of Glaucoma, 2006, 15, 291-298.	1.6	27
136	Synthesis and Properties of Inulin Based Microgels. Colloids and Interface Science Communications, 2014, 2, 15-18.	4.1	27
137	Covalent organic framework based on melamine and dibromoalkanes for versatile use. Journal of Porous Materials, 2016, 23, 1025-1035.	2.6	27
138	Amidoximated poly(acrylonitrile) particles for environmental applications: Removal of heavy metal ions, dyes, and herbicides from water with different sources. Journal of Applied Polymer Science, 2016, 133, .	2.6	27
139	Nitrogen-Doped Arginine Carbon Dots and Its Metal Nanoparticle Composites as Antibacterial Agent. Journal of Carbon Research, 2020, 6, 58.	2.7	27
140	ILC (ionic liquid colloids) based on p(4-VP) (poly(4-vinyl pyridine)) microgels: Synthesis, characterization and use in hydrogen production. Energy, 2014, 66, 256-263.	8.8	26
141	Macroporous cryogel metal nanoparticle composites for H2 generation from NaBH4 hydrolysis in seawater. Applied Surface Science, 2015, 354, 388-396.	6.1	26
142	Responsive biopolymer-based microgels/nanogels for drug delivery applications. , 2018, , 453-500.		26
143	Carbon Dots Fabrication: Ocular Imaging and Therapeutic Potential. Frontiers in Bioengineering and Biotechnology, 2020, 8, 573407.	4.1	26
144	Radiation synthesis and characterization of new hydrogels based on acrylamide copolymers cross-linked with 1-allyl-2-thiourea. Radiation Physics and Chemistry, 2005, 74, 76-85.	2.8	25

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145	Metal ion-imprinted hydrogel with magnetic properties and enhanced catalytic performances in hydrolysis of NaBH4 and NH3BH3. International Journal of Hydrogen Energy, 2013, 38, 15275-15284.	7.1	25
146	The use of graphene oxide-embedded superporous poly(2-hydroxyethylmethacrylate) cryogels for p(aniline) conductive polymer synthesis and their use in sensor applications. Materials and Design, 2017, 120, 47-55.	7.0	25
147	A facile preparation of donut-like supramolecular tannic acid-Fe(III) composite as biomaterials with magnetic, conductive, and antioxidant properties. Journal of Coordination Chemistry, 2017, 70, 3619-3632.	2.2	25
148	Synthesis and characterization of nitrogen-doped carbon dots as fluorescent nanoprobes with antimicrobial properties and skin permeability. Journal of Drug Delivery Science and Technology, 2020, 59, 101889.	3.0	25
149	In vitro dynamic swelling behaviors of radiation synthesized polyacrylamide with crosslinkers in the simulated physiological body fluids. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 340-344.	1.4	24
150	Aromatic organic contaminant removal from an aqueous environment by p(4-VP)-based materials. Chemosphere, 2011, 85, 832-838.	8.2	24
151	Poly(sucrose) micro particles preparation and their use as biomaterials. International Journal of Biological Macromolecules, 2014, 66, 236-244.	7.5	24
152	The synthesis of desired functional groups on PEI microgel particles for biomedical and environmental applications. Applied Surface Science, 2015, 354, 380-387.	6.1	24
153	NH 3 gas sensing applications of metal organic frameworks. Microelectronic Engineering, 2015, 136, 71-76.	2.4	24
154	Poly ionic liquid cryogel of polyethyleneimine: Synthesis, characterization, and testing in absorption studies. Journal of Applied Polymer Science, 2016, 133, .	2.6	24
155	Metal nanoparticle preparation within modifiable p(4-VP) microgels and their use in hydrogen production from NaBH4 hydrolysis. International Journal of Hydrogen Energy, 2013, 38, 6736-6743.	7.1	23
156	Halloysite-carboxymethyl cellulose cryogel composite from natural sources. Applied Clay Science, 2017, 140, 66-74.	5.2	23
157	Tunable poly(2-acrylamido-2-methyl-1-propan sulfonic acid) based microgels with better catalytic performances for Co and Ni nanoparticle preparation and their use in hydrogen generation from NaBH4. International Journal of Hydrogen Energy, 2012, 37, 18944-18951.	7.1	22
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