

Murat Kaya

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147
papers

4,784
citations

41
h-index

63
g-index

149
ext. papers

5,616
ext. citations

6.2
avg, IF

6.01
L-index

#	Paper	IF	Citations
147	Current advancements in chitosan-based film production for food technology; A review. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 889-904	7.9	195
146	Palladium nanoparticles supported on amine-functionalized SiO ₂ for the catalytic hexavalent chromium reduction. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 53-64	21.8	163
145	On chemistry of Chitin. <i>Carbohydrate Polymers</i> , 2017 , 176, 177-186	10.3	151
144	Extreme levels of hidden diversity in microscopic animals (Rotifera) revealed by DNA taxonomy. <i>Molecular Phylogenetics and Evolution</i> , 2009 , 53, 182-9	4.1	137
143	Palladium(0) nanoparticles supported on silica-coated cobalt ferrite: A highly active, magnetically isolable and reusable catalyst for hydrolytic dehydrogenation of ammonia borane. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 387-393	21.8	121
142	Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of Pistacia terebinthus for active food packaging. <i>RSC Advances</i> , 2018 , 8, 3941-3950	3.7	117
141	Carbon supported trimetallic PdNiAg nanoparticles as highly active, selective and reusable catalyst in the formic acid decomposition. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 514-524	21.8	109
140	Pd-MnO nanoparticles dispersed on amine-grafted silica: Highly efficient nanocatalyst for hydrogen production from additive-free dehydrogenation of formic acid under mild conditions. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 324-333	21.8	108
139	PdAu-MnO nanoparticles supported on amine-functionalized SiO ₂ for the room temperature dehydrogenation of formic acid in the absence of additives. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 586-595	21.8	100
138	MnO _x -Promoted PdAg Alloy Nanoparticles for the Additive-Free Dehydrogenation of Formic Acid at Room Temperature. <i>ACS Catalysis</i> , 2015 , 5, 6099-6110	13.1	99
137	Extraction and Characterization of Chitin and Chitosan from Six Different Aquatic Invertebrates. <i>Food Biophysics</i> , 2014 , 9, 145-157	3.2	99
136	Carbon dispersed copper-cobalt alloy nanoparticles: A cost-effective heterogeneous catalyst with exceptional performance in the hydrolytic dehydrogenation of ammonia-borane. <i>Applied Catalysis B: Environmental</i> , 2016 , 180, 121-129	21.8	97
135	Physicochemical comparison of chitin and chitosan obtained from larvae and adult Colorado potato beetle (<i>Leptinotarsa decemlineata</i>). <i>Materials Science and Engineering C</i> , 2014 , 45, 72-81	8.3	95
134	Production and characterization of chitosan based edible films from <i>Berberis crataegina</i> 's fruit extract and seed oil. <i>Innovative Food Science and Emerging Technologies</i> , 2018 , 45, 287-297	6.8	91
133	Extraction and characterization of chitin and chitosan with antimicrobial and antioxidant activities from cosmopolitan Orthoptera species (Insecta). <i>Biotechnology and Bioprocess Engineering</i> , 2015 , 20, 168-179	3.1	88
132	Supported copper/copper oxide nanoparticles as active, stable and low-cost catalyst in the methanolysis of ammonia borane for chemical hydrogen storage. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 169-175	21.8	85
131	Utilization of flax (<i>Linum usitatissimum</i>) cellulose nanocrystals as reinforcing material for chitosan films. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 944-952	7.9	84

130	Copper(0) nanoparticles supported on silica-coated cobalt ferrite magnetic particles: cost effective catalyst in the hydrolysis of ammonia-borane with an exceptional reusability performance. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3866-73	9.5	84
129	Comparison of chitin structures isolated from seven Orthoptera species. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 797-805	7.9	77
128	New chitin, chitosan, and O-carboxymethyl chitosan sources from resting eggs of <i>Daphnia longispina</i> (Crustacea); with physicochemical characterization, and antimicrobial and antioxidant activities. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 58-69	3.1	71
127	New approach for the surface enhanced resonance Raman scattering (SERRS) detection of dopamine at picomolar (pM) levels in the presence of ascorbic acid. <i>Analytical Chemistry</i> , 2012 , 84, 7729-35	7.8	69
126	Differentiations of chitin content and surface morphologies of chitins extracted from male and female grasshopper species. <i>PLoS ONE</i> , 2015 , 10, e0115531	3.7	68
125	Preparation and characterisation of biodegradable pollen-chitosan microcapsules and its application in heavy metal removal. <i>Bioresource Technology</i> , 2015 , 177, 1-7	11	66
124	Amine grafted silica supported CrAuPd alloy nanoparticles: superb heterogeneous catalysts for the room temperature dehydrogenation of formic acid. <i>Chemical Communications</i> , 2015 , 51, 11417-20	5.8	64
123	Green heterogeneous Pd(II) catalyst produced from chitosan-cellulose micro beads for green synthesis of biaryls. <i>Carbohydrate Polymers</i> , 2016 , 152, 181-188	10.3	53
122	Potential use of kraft and organosolv lignins as a natural additive for healthcare products.. <i>RSC Advances</i> , 2018 , 8, 24525-24533	3.7	52
121	A physicochemical characterization of fully acetylated chitin structure isolated from two spider species: with new surface morphology. <i>International Journal of Biological Macromolecules</i> , 2014 , 65, 553-8	7.9	52
120	Description of a new surface morphology for chitin extracted from wings of cockroach (<i>Periplaneta americana</i>). <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 7-12	7.9	52
119	Chitosan coating of red kiwifruit (<i>Actinidia melanandra</i>) for extending of the shelf life. <i>International Journal of Biological Macromolecules</i> , 2016 , 85, 355-60	7.9	51
118	Comparison of physicochemical properties of chitins isolated from an insect (<i>Melolontha melolontha</i>) and a crustacean species (<i>Oniscus asellus</i>). <i>Zoomorphology</i> , 2014 , 133, 285-293	1	51
117	Chitin extraction and characterization from <i>Daphnia magna</i> resting eggs. <i>International Journal of Biological Macromolecules</i> , 2013 , 61, 459-64	7.9	50
116	Cryptic diversity in the genus <i>Adineta</i> Hudson & Gosse, 1886 (Rotifera: Bdelloidea: Adinetidae): a DNA taxonomy approach. <i>Hydrobiologia</i> , 2011 , 662, 27-33	2.4	50
115	Changes in physicochemical properties of chitin at developmental stages (larvae, pupa and adult) of <i>Vespa crabro</i> (wasp). <i>Carbohydrate Polymers</i> , 2016 , 145, 64-70	10.3	49
114	Design and application of sporopollenin microcapsule supported palladium catalyst: Remarkably high turnover frequency and reusability in catalysis of biaryls. <i>Journal of Colloid and Interface Science</i> , 2017 , 486, 194-203	9.3	49
113	First chitin extraction from <i>Plumatella repens</i> (Bryozoa) with comparison to chitins of insect and fungal origin. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 126-32	7.9	48

112	Methylene blue photocatalytic degradation under visible light irradiation on copper phthalocyanine-sensitized TiO ₂ nanopowders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017 , 224, 9-17	3.1	47
111	Exceptionally high turnover frequencies recorded for a new chitosan-based palladium(II) catalyst. <i>Applied Catalysis A: General</i> , 2016 , 523, 12-20	5.1	46
110	A new method for fast chitin extraction from shells of crab, crayfish and shrimp. <i>Natural Product Research</i> , 2015 , 29, 1477-80	2.3	45
109	An environmental catalyst derived from biological waste materials for green synthesis of biaryls via Suzuki coupling reactions. <i>Journal of Molecular Catalysis A</i> , 2016 , 420, 216-221		44
108	Diatomite as a novel composite ingredient for chitosan film with enhanced physicochemical properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1401-1411	7.9	43
107	Bat guano as new and attractive chitin and chitosan source. <i>Frontiers in Zoology</i> , 2014 , 11,	2.8	41
106	Ruthenium(0) nanoparticles supported on magnetic silica coated cobalt ferrite: Reusable catalyst in hydrogen generation from the hydrolysis of ammonia-borane. <i>Journal of Molecular Catalysis A</i> , 2014 , 394, 253-261		41
105	Atomic layer deposition-SiO ₂ layers protected PdCoNi nanoparticles supported on TiO ₂ nanopowders: Exceptionally stable nanocatalyst for the dehydrogenation of formic acid. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 470-483	21.8	40
104	Chitosan-based delivery systems for plants: A brief overview of recent advances and future directions. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 683-697	7.9	40
103	Production of magnetically recoverable, thermally stable, bio-based catalyst: Remarkable turnover frequency and reusability in Suzuki coupling reaction. <i>Chemical Engineering Journal</i> , 2018 , 331, 102-113	14.7	39
102	Isolation and identification of chitin from heavy mineralized skeleton of <i>Suberea clavata</i> (Verongida: Demospongiae: Porifera) marine demosponge. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 1706-1712	7.9	38
101	Comparison of antimicrobial activities of newly obtained low molecular weight scorpion chitosan and medium molecular weight commercial chitosan. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 121, 678-684	3.3	38
100	Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee. <i>Carbohydrate Polymers</i> , 2015 , 132, 9-16	10.3	37
99	Physicochemical Properties of Chitin and Chitosan Produced from Medicinal Fungus (<i>Fomitopsis pinicola</i>). <i>Food Biophysics</i> , 2015 , 10, 162-168	3.2	33
98	Efficiency of chitosan-algal biomass composite microbeads at heavy metal removal. <i>Reactive and Functional Polymers</i> , 2016 , 98, 38-47	4.6	33
97	Supplementing capsaicin with chitosan-based films enhanced the anti-quorum sensing, antimicrobial, antioxidant, transparency, elasticity and hydrophobicity. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 438-446	7.9	31
96	Effect of different animal fat and plant oil additives on physicochemical, mechanical, antimicrobial and antioxidant properties of chitosan films. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 475-484	7.9	31
95	Crayfish chitosan for microencapsulation of coriander (<i>Coriandrum sativum</i> L.) essential oil. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 125-133	7.9	31

94	High similarity in physicochemical properties of chitin and chitosan from nymphs and adults of a grasshopper. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 118-26	7.9	31
93	Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. <i>Food Hydrocolloids</i> , 2019 , 89, 20-28	10.6	29
92	Production and characterization of chitosan-fungal extract films. <i>Food Bioscience</i> , 2020 , 35, 100545	4.9	28
91	In situ chitin isolation from body parts of a centipede and lysozyme adsorption studies. <i>Materials Science and Engineering C</i> , 2017 , 70, 552-563	8.3	27
90	Hydroxyapatite-nanosphere supported ruthenium(0) nanoparticle catalyst for hydrogen generation from ammonia-borane solution: kinetic studies for nanoparticle formation and hydrogen evolution. <i>RSC Advances</i> , 2014 , 4, 28947-28955	3.7	26
89	Survey of moss-dwelling bdelloid rotifers from middle Arctic Spitsbergen (Svalbard). <i>Polar Biology</i> , 2010 , 33, 833-842	2	26
88	Effect of molecular weight of chitosan on the shelf life and other quality parameters of three different cultivars of Actinidia kolomikta (kiwifruit). <i>Carbohydrate Polymers</i> , 2017 , 173, 269-275	10.3	25
87	Preparation of silica coated cobalt ferrite magnetic nanoparticles for the purification of histidine-tagged proteins. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 87, 64-71	3.9	25
86	Production of novel chia-mucilage nanocomposite films with starch nanocrystals; An inclusive biological and physicochemical perspective. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 663-673	7.9	24
85	False flax (<i>Camelina sativa</i>) seed oil as suitable ingredient for the enhancement of physicochemical and biological properties of chitosan films. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 1224-1232	7.9	24
84	Microfungal spores (<i>Ustilago maydis</i> and <i>U. digitariae</i>) immobilised chitosan microcapsules for heavy metal removal. <i>Carbohydrate Polymers</i> , 2016 , 138, 201-9	10.3	24
83	Porous and nanofiber chitosan obtained from blue crab (<i>Callinectes sapidus</i>) tested for antimicrobial and antioxidant activities. <i>LWT - Food Science and Technology</i> , 2016 , 65, 1109-1117	5.4	23
82	Flexural stress enhancement of concrete by incorporation of algal cellulose nanofibers. <i>Construction and Building Materials</i> , 2017 , 149, 289-295	6.7	23
81	Palladium Nanoparticles Decorated Graphene Oxide: Active and Reusable Nanocatalyst for the Catalytic Reduction of Hexavalent Chromium(VI). <i>ChemistrySelect</i> , 2017 , 2, 8312-8319	1.8	23
80	Natural porous and nano fiber chitin structure from Gammarus argaeus (Gammaridae Crustacea). <i>EXCLI Journal</i> , 2013 , 12, 503-10	2.4	23
79	Biological, mechanical, optical and physicochemical properties of natural chitin films obtained from the dorsal pronotum and the wing of cockroach. <i>Carbohydrate Polymers</i> , 2017 , 163, 162-169	10.3	22
78	Novel three-dimensional cellulose produced from trunk of Astragalus gummifer (Fabaceae) tested for protein adsorption performance. <i>Materials Science and Engineering C</i> , 2016 , 62, 144-51	8.3	22
77	Palladium(0) nanoparticles supported on hydroxyapatite nanospheres: active, long-lived, and reusable nanocatalyst for hydrogen generation from the dehydrogenation of aqueous ammonia-borane solution. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	21

76	Chitosan nanofiber production from <i>Drosophila</i> by electrospinning. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 49-55	7.9	20
75	Amine-functionalized graphene nanosheet-supported PdAuNi alloy nanoparticles: efficient nanocatalyst for formic acid dehydrogenation. <i>New Journal of Chemistry</i> , 2018 , 42, 16103-16114	3.6	20
74	A new pollen-derived microcarrier for pantoprazole delivery. <i>Materials Science and Engineering C</i> , 2017 , 71, 937-942	8.3	19
73	Surface morphology of chitin highly related with the isolated body part of butterfly (<i>Argynnis pandora</i>). <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 443-9	7.9	19
72	Comparison of bovine serum albumin adsorption capacities of β -chitin isolated from an insect and β -chitin from cuttlebone. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 38, 146-156	6.3	19
71	Physicochemical characterization of chitin and chitosan obtained from resting eggs of <i>Ceriodaphnia quadrangula</i> (Branchiopoda: Cladocera: Daphniidae). <i>Journal of Crustacean Biology</i> , 2014 , 34, 283-288	0.8	19
70	The quick extraction of chitin from an epizoic crustacean species (<i>Chelonibia patula</i>). <i>Natural Product Research</i> , 2014 , 28, 2186-90	2.3	18
69	Controlled release and anti-proliferative effect of imatinib mesylate loaded sporopollenin microcapsules extracted from pollens of <i>Betula pendula</i> . <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 749-756	7.9	18
68	Inconsistent estimates of diversity between traditional and DNA taxonomy in bdelloid rotifers. <i>Organisms Diversity and Evolution</i> , 2009 , 9, 3-12	1.7	18
67	An inclusive physicochemical comparison of natural and synthetic chitin films. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1062-1070	7.9	17
66	Nanocrystalline metal organic framework (MIL-101) stabilized copper Nanoparticles: Highly efficient nanocatalyst for the hydrolytic dehydrogenation of methylamine borane. <i>Inorganica Chimica Acta</i> , 2018 , 483, 431-439	2.7	17
65	DNA interaction, antitumor and antimicrobial activities of three-dimensional chitosan ring produced from the body segments of a diplopod. <i>Carbohydrate Polymers</i> , 2016 , 146, 80-9	10.3	16
64	Newly isolated sporopollenin microcages from <i>Platanus orientalis</i> pollens as a vehicle for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2017 , 77, 263-270	8.3	15
63	Incorporation of sporopollenin enhances acidBase durability, hydrophobicity, and mechanical, antifungal and antioxidant properties of chitosan films. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 236-245	6.3	15
62	Synthesis, characterization, and enhanced formic acid electrooxidation activity of carbon supported MnOx promoted Pd nanoparticles. <i>Advanced Powder Technology</i> , 2018 , 29, 1409-1416	4.6	15
61	Functionalized polysulfide copolymers with 4-vinylpyridine via inverse vulcanization. <i>Materials Today Communications</i> , 2019 , 19, 336-341	2.5	14
60	COMPARISON OF CHITIN STRUCTURES DERIVED FROM THREE COMMON WASP SPECIES (<i>Vespa crabro</i> LINNAEUS, 1758, <i>Vespa orientalis</i> LINNAEUS, 1771 and <i>Vespula germanica</i> (FABRICIUS, 1793)). <i>Archives of Insect Biochemistry and Physiology</i> , 2015 , 89, 204-17	2.3	14
59	The Pimpled Gold Nanosphere: A Superior Candidate for Plasmonic Photothermal Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2903-2920	7.3	13

58	Resting eggs as new biosorbent for preconcentration of trace elements in various samples prior to their determination by FAAS. <i>Biological Trace Element Research</i> , 2014 , 159, 254-62	4.5	13
57	Microbial biofilm activity and physicochemical characterization of biodegradable and edible cups obtained from abdominal exoskeleton of an insect. <i>Innovative Food Science and Emerging Technologies</i> , 2016 , 36, 68-74	6.8	12
56	The presence of Chitin in Tardigrada with comments on chitin in the Ecdysozoa. <i>Zoologischer Anzeiger</i> , 2016 , 264, 11-16	1.1	12
55	Structural characterization of the buccal mass of <i>Ariolimax californicus</i> (Gastropoda; Stylommatophora). <i>PLoS ONE</i> , 2019 , 14, e0212249	3.7	12
54	Biochemical composition and bioactivity screening of various extracts from <i>Dunaliella salina</i> , a green microalga. <i>EXCLI Journal</i> , 2014 , 13, 679-90	2.4	12
53	Characteristics of corneal lens chitin in dragonfly compound eyes. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 54-61	7.9	12
52	Physicochemical and in vitro cytotoxic properties of chitosan from mushroom species (<i>Boletus bovinus</i> and <i>Laccaria laccata</i>). <i>Carbohydrate Polymers</i> , 2019 , 221, 1-9	10.3	11
51	Cobalt nanoparticles supported on alumina nanofibers (Co/Al ₂ O ₃): Cost effective catalytic system for the hydrolysis of methylamine borane. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 28441-28450	6.7	11
50	Characterisation of Chitin extracted from a lichenised fungus species <i>Xanthoria parietina</i> . <i>Natural Product Research</i> , 2015 , 29, 1280-4	2.3	11
49	Ag nanostructures on a poly(3,4-ethylenedioxythiophene) film prepared with electrochemical route: A controllable roughened SERS substrate with high repeatability and stability. <i>Electrochimica Acta</i> , 2012 , 85, 220-227	6.7	11
48	Preparation and characterization of Ni-nitrilotriacetic acid bearing poly(methacrylic acid) coated superparamagnetic magnetite nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 695-704	7.3	11
47	Determination of Bovine Serum Albumin Adsorption Capacity of Newly Obtained Cellulose extracted from <i>Glycyrrhiza glabra</i> (Licorice). <i>Advances in Polymer Technology</i> , 2018 , 37, 606-611	1.9	10
46	Use of sea urchin spines with chitosan gel for biodegradable film production. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 102-108	7.9	9
45	GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS. <i>Archives of Insect Biochemistry and Physiology</i> , 2016 , 93, 96-109	2.3	9
44	Extraction of high thermally stable and nanofibrous chitin from Cicada (Cicadoidea). <i>Entomological Research</i> , 2018 , 48, 480-489	1.3	9
43	Six Rotifer species new for the Turkish fauna. <i>Zoology in the Middle East</i> , 2005 , 36, 99-104	0.7	9
42	Keggin Type-Polyoxometalate Decorated Ruthenium Nanoparticles: Highly Active and Selective Nanocatalyst for the Oxidation of Veratryl Alcohol as a Lignin Model Compound. <i>ChemistrySelect</i> , 2017 , 2, 2487-2494	1.8	8
41	Natural Chitin-protein complex film obtained from waste razor shells for transdermal capsaicin carrier. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 508-515	7.9	8

40	Three-dimensional chitin rings from body segments of a pet diplopod species: Characterization and protein interaction studies. <i>Materials Science and Engineering C</i> , 2016 , 68, 716-722	8.3	8
39	Silver nanoparticle-doped polyvinyl alcohol coating as a medium for surface-enhanced Raman scattering analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 955-60	1.3	8
38	Chitosan Loses Innate Beneficial Properties after Being Dissolved in Acetic Acid: Supported by Detailed Molecular Modeling. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18083-18093	8.3	8
37	Usage of natural chitosan membrane obtained from insect corneal lenses as a drug carrier and its potential for point of care tests. <i>Materials Science and Engineering C</i> , 2020 , 112, 110897	8.3	7
36	Morphological examination of the resting egg structure of 3 cladoceran species [Ceriodaphnia quadrangula (O. F. Müller, 1785), Daphnia longispina (O. F. Müller, 1776), and D. magna Straus, 1820]. <i>Turkish Journal of Zoology</i> , 2014 , 38, 131-135	0.7	7
35	Germanium determination by flame atomic absorption spectrometry: an increased vapor pressure-chloride generation system. <i>Talanta</i> , 2011 , 84, 122-6	6.2	7
34	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2010 , 10,	1.2	7
33	Encapsulation of Flurbiprofen by Chitosan Using a Spray-Drying Method with Drug Releasing and Molecular Docking. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2017 , 14, 34-39	1.1	7
32	Production of magnetic chitinous microcages from ehippia of zooplankton Daphnia longispina and heavy metal removal studies. <i>Carbohydrate Polymers</i> , 2019 , 207, 200-210	10.3	7
31	How Taxonomic Relations Affect the Physicochemical Properties of Chitin. <i>Food Biophysics</i> , 2016 , 11, 10-19	3.2	6
30	Ruthenium Nanoparticles Supported on Reduced Graphene Oxide: Efficient Catalyst for the Catalytic Reduction of Cr(VI) in the Presence of Amine-Boranes. <i>ChemistrySelect</i> , 2020 , 5, 6961-6970	1.8	5
29	A faunistic survey of bdelloid rotifers in Turkey. <i>Zoology in the Middle East</i> , 2009 , 48, 114-116	0.7	5
28	A taxonomic study on the families Lepadellidae and Trichocercidae (Rotifera: Monogononta) of Turkey. <i>Chinese Journal of Oceanology and Limnology</i> , 2007 , 25, 423-426		5
27	Characterisation of chitin in the cuticle of a velvet worm (Onychophora). <i>Turkish Journal of Zoology</i> , 2019 , 43, 416-424	0.7	4
26	Characterization of tongue worm (Pentastomida) chitin supports rather than chitin. <i>Zoologischer Anzeiger</i> , 2019 , 279, 111-115	1.1	4
25	Nanohydrocalcite Supported Ruthenium Nanoparticles: Highly Efficient Heterogeneous Catalyst for the Oxidative Valorization of Lignin Model Compounds. <i>ChemistrySelect</i> , 2017 , 2, 10191-10198	1.8	4
24	Rotifers in Turkish inland waters. <i>Zoology in the Middle East</i> , 2007 , 40, 71-76	0.7	4
23	Production of natural chitin film from pupal shell of moth: Fabrication of plasmonic surfaces for SERS-based sensing applications. <i>Carbohydrate Polymers</i> , 2021 , 262, 117909	10.3	4

22	Sponge-derived natural bioactive glass microspheres with self-assembled surface channel arrays opening into a hollow core for bone tissue and controlled drug release applications. <i>Chemical Engineering Journal</i> , 2021 , 407, 126667	14.7	4
21	Effects of diallyl trisulfide, an active substance from garlic essential oil, on structural chemistry of chitin in <i>Sitotroga cerealella</i> (Lepidoptera: Gelechiidae). <i>Pesticide Biochemistry and Physiology</i> , 2021 , 172, 104765	4.9	4
20	Detailed adsorption mechanism of plasmid DNA by newly isolated cellulose from waste flower spikes of <i>Thypha latifolia</i> using quantum chemical calculations. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 914-923	7.9	3
19	Hexavalent chromium removal by magnetic particle-loaded micro-sized chitinous egg shells isolated from ephippia of water flea. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 23-30	7.9	3
18	Testing the habitat selectivity of bdelloid rotifers in a restricted area. <i>Turkish Journal of Zoology</i> , 2015 , 39, 1132-1141	0.7	3
17	Biomimetic surfaces prepared by soft lithography and vapour deposition for hydrophobic and antibacterial performance. <i>Materials Technology</i> , 1-8	2.1	3
16	Complete Dehydrogenation of Hydrazine Borane on Manganese Oxide Nanorod-Supported Ni@Ir Core-Shell Nanoparticles. <i>Inorganic Chemistry</i> , 2020 , 59, 9728-9738	5.1	2
15	Chromium based metal-organic framework MIL-101 decorated palladium nanoparticles for the methanolysis of ammonia-borane. <i>New Journal of Chemistry</i> , 2020 , 44, 12435-12439	3.6	2
14	Synthesis of N-polyetheral polypyrroles and their application for the preconcentration of rare earth ions. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2707-2711	2.9	2
13	Records of species of <i>Lecane Nitzsch</i> , 1827 new for the Turkish rotifer fauna (Ploima, Lecanidae). <i>Zoology in the Middle East</i> , 2007 , 41, 119-120	0.7	2
12	Polyhedral oligomeric silsesquioxane cage integrated soluble and fluorescent poly(3,4-propylenedioxythiophene) dye. <i>Polymer</i> , 2021 , 212, 123127	3.9	2
11	Newly isolated sporopollenin microcages from <i>Cedrus libani</i> and <i>Pinus nigra</i> as carrier for Oxaliplatin; xCELLigence RTCA-based release assay. <i>Polymer Bulletin</i> , 1	2.4	2
10	Bioremediation of heavy metal contaminated medium using <i>Lemna minor</i> , <i>Daphnia magna</i> and their consortium. <i>Chemistry and Ecology</i> , 2018 , 34, 43-55	2.3	2
9	Silver Nanoparticles Added Polymer Film Prepared by Electrochemical Route for Surface Enhanced Raman Scattering Applications. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B243-B248	3.9	1
8	Highly Fibrous and Porous Raw Material Shaped Chitin Isolated from <i>Oniscus</i> sp. (Crustacea). <i>Food Biophysics</i> , 2016 , 11, 101-107	3.2	1
7	Terrestrial bdelloid rotifers from Erzurum (Eastern part of Turkey). <i>Turkish Journal of Zoology</i> , 2013 ,	0.7	1
6	Newly isolated sporopollenin microcages from <i>Cedrus libani</i> and <i>Pinus nigra</i> for controlled delivery of Oxaliplatin		1
5	Production and Characterization of Nontoxic and Biodegradable Chitosan-Ectomycorrhizal Fungi Spores Blend Films. <i>Waste and Biomass Valorization</i> , 2021 , 12, 5899	3.2	1

4	Nanocatalytic Architecture for the Selective Dehydrogenation of Formic Acid 2021 , 279-305	0
3	Gold-assembled silica-coated cobalt nanoparticles as efficient magnetic separation units and surface-enhanced Raman scattering substrate. <i>Turkish Journal of Chemistry</i> , 2019 , 43, 307-318	1
2	Habitat Selection, Diversity and Estimating the Species Richness of Rotifers in Two Ponds Located in Central Anatolia. <i>Journal of Animal and Veterinary Advances</i> , 2010 , 9, 2437-2444	0.1
1	Macroporous Surgical Mesh from a Natural Cocoon Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 5728-5738	8.3