

Murat Kaya

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Macroporous Surgical Mesh from a Natural Cocoon Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 5728-5738 | 8.3 | |
| 146 | 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 |
| 145 | Nanocatalytic Architecture for the Selective Dehydrogenation of Formic Acid 2021 , 279-305 | | 0 |
| 144 | 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 |
| 143 | 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 |
| 142 | Polyhedral oligomeric silsesquioxane cage integrated soluble and fluorescent poly(3,4-propylenedioxythiophene) dye. <i>Polymer</i> , 2021 , 212, 123127 | 3.9 | 2 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | 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 |
| 135 | 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 |
| 134 | Production and characterization of chitosan-fungal extract films. <i>Food Bioscience</i> , 2020 , 35, 100545 | 4.9 | 28 |
| 133 | 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 |
| 132 | The Pimpled Gold Nanosphere: A Superior Candidate for Plasmonic Photothermal Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2903-2920 | 7.3 | 13 |
| 131 | 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 |

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| 130 | Characterisation of chitin in the cuticle of a velvet worm (Onychophora). <i>Turkish Journal of Zoology</i> , 2019 , 43, 416-424 | 0.7 | 4 |
| 129 | Hexavalent chromium removal by magnetic particle-loaded micro-sized chitinous egg shells isolated from ehippia of water flea. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 23-30 | 7.9 | 3 |
| 128 | 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 |
| 127 | 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 |
| 126 | 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 |
| 125 | Functionalized polysulfide copolymers with 4-vinylpyridine via inverse vulcanization. <i>Materials Today Communications</i> , 2019 , 19, 336-341 | 2.5 | 14 |
| 124 | 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 |
| 123 | Characterization of tongue worm (Pentastomida) chitin supports rather than chitin. <i>Zoologischer Anzeiger</i> , 2019 , 279, 111-115 | 1.1 | 4 |
| 122 | Structural characterization of the buccal mass of <i>Ariolimax californicus</i> (Gastropoda; Stylommatophora). <i>PLoS ONE</i> , 2019 , 14, e0212249 | 3.7 | 12 |
| 121 | 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 | |
| 120 | Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. <i>Food Hydrocolloids</i> , 2019 , 89, 20-28 | 10.6 | 29 |
| 119 | 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 |
| 118 | Production of magnetic chitinous microcages from ehippia of zooplankton <i>Daphnia longispina</i> and heavy metal removal studies. <i>Carbohydrate Polymers</i> , 2019 , 207, 200-210 | 10.3 | 7 |
| 117 | Synthesis, characterization, and enhanced formic acid electrooxidation activity of carbon supported MnO _x promoted Pd nanoparticles. <i>Advanced Powder Technology</i> , 2018 , 29, 1409-1416 | 4.6 | 15 |
| 116 | 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 |
| 115 | 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 |
| 114 | Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of <i>Pistacia terebinthus</i> for active food packaging. <i>RSC Advances</i> , 2018 , 8, 3941-3950 | 3.7 | 117 |
| 113 | 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 |

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| 112 | 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 |
| 111 | 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 |
| 110 | An inclusive physicochemical comparison of natural and synthetic chitin films. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1062-1070 | 7.9 | 17 |
| 109 | Extraction of high thermally stable and nanofibrous chitin from Cicada (Cicadoidea). <i>Entomological Research</i> , 2018 , 48, 480-489 | 1.3 | 9 |
| 108 | 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 |
| 107 | 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 |
| 106 | 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 |
| 105 | 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 |
| 104 | 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 |
| 103 | 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 |
| 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 | 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 |
| 100 | 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 |
| 99 | Effect of molecular weight of chitosan on the shelf life and other quality parameters of three different cultivars of <i>Actinidia kolomikta</i> (kiwifruit). <i>Carbohydrate Polymers</i> , 2017 , 173, 269-275 | 10.3 | 25 |
| 98 | Flexural stress enhancement of concrete by incorporation of algal cellulose nanofibers. <i>Construction and Building Materials</i> , 2017 , 149, 289-295 | 6.7 | 23 |
| 97 | 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 |
| 96 | 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 |
| 95 | A new pollen-derived microcarrier for pantoprazole delivery. <i>Materials Science and Engineering C</i> , 2017 , 71, 937-942 | 8.3 | 19 |

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| 94 | Incorporation of sporopollenin enhances acid-base 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 |
| 93 | On chemistry of Chitin. <i>Carbohydrate Polymers</i> , 2017 , 176, 177-186 | 10.3 | 151 |
| 92 | 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 |
| 91 | 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 |
| 90 | 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 |
| 89 | 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 |
| 88 | Nanohydroxalite 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 |
| 87 | 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 |
| 86 | 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 |
| 85 | 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 |
| 84 | 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 |
| 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 | 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 |
| 81 | 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 |
| 80 | 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 |
| 79 | 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 |
| 78 | GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS. <i>Archives of Insect Biochemistry and Physiology</i> , 2016 , 93, 96-109 | 2.3 | 9 |
| 77 | 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 |

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| 76 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | The presence of β -chitin in Tardigrada with comments on chitin in the Ecdysozoa. <i>Zoologischer Anzeiger</i> , 2016 , 264, 11-16 | 1.1 | 12 |
| 72 | Novel three-dimensional cellulose produced from trunk of <i>Astragalus gummifer</i> (Fabaceae) tested for protein adsorption performance. <i>Materials Science and Engineering C</i> , 2016 , 62, 144-51 | 8.3 | 22 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | Efficiency of chitosan- β -glucan biomass composite microbeads at heavy metal removal. <i>Reactive and Functional Polymers</i> , 2016 , 98, 38-47 | 4.6 | 33 |
| 67 | 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 |
| 66 | 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 |
| 65 | Chitosan nanofiber production from <i>Drosophila</i> by electrospinning. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 49-55 | 7.9 | 20 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | Characteristics of corneal lens chitin in dragonfly compound eyes. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 54-61 | 7.9 | 12 |
| 59 | How Taxonomic Relations Affect the Physicochemical Properties of Chitin. <i>Food Biophysics</i> , 2016 , 11, 10-19 | 3.2 | 6 |

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| 58 | Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee. <i>Carbohydrate Polymers</i> , 2015 , 132, 9-16 | 10.3 | 37 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | MnOx-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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Comparison of chitin structures isolated from seven Orthoptera species. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 797-805 | 7.9 | 77 |
| 43 | Testing the habitat selectivity of bdelloid rotifers in a restricted area. <i>Turkish Journal of Zoology</i> , 2015 , 39, 1132-1141 | 0.7 | 3 |
| 42 | 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 |
| 41 | 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 |

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| 40 | 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, 553-589 | 7.9 | 52 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | Bat guano as new and attractive chitin and chitosan source. <i>Frontiers in Zoology</i> , 2014 , 11, | 2.8 | 41 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | Morphological examination of the resting egg structure of 3 cladoceran species [<i>Ceriodaphnia quadrangula</i> (O. F. Müller, 1785), <i>Daphnia longispina</i> (O. F. Müller, 1776), and <i>D. magna</i> Straus, 1820]. <i>Turkish Journal of Zoology</i> , 2014 , 38, 131-135 | 0.7 | 7 |
| 27 | 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 |
| 26 | Extraction and Characterization of Chitin and Chitosan from Six Different Aquatic Invertebrates. <i>Food Biophysics</i> , 2014 , 9, 145-157 | 3.2 | 99 |
| 25 | 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 |
| 24 | 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 |
| 23 | Terrestrial bdelloid rotifers from Erzurum (Eastern part of Turkey). <i>Turkish Journal of Zoology</i> , 2013 , | 0.7 | 1 |

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|----|---|-----|-----|
| 22 | Natural porous and nano fiber chitin structure from <i>Gammarus argaeus</i> (Gammaridae Crustacea). <i>EXCLI Journal</i> , 2013 , 12, 503-10 | 2.4 | 23 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | Germanium determination by flame atomic absorption spectrometry: an increased vapor pressure-chloride generation system. <i>Talanta</i> , 2011 , 84, 122-6 | 6.2 | 7 |
| 17 | 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 |
| 16 | . <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2010 , 10, | 1.2 | 7 |
| 15 | Survey of moss-dwelling bdelloid rotifers from middle Arctic Spitsbergen (Svalbard). <i>Polar Biology</i> , 2010 , 33, 833-842 | 2 | 26 |
| 14 | 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 | |
| 13 | 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 |
| 12 | A faunistic survey of bdelloid rotifers in Turkey. <i>Zoology in the Middle East</i> , 2009 , 48, 114-116 | 0.7 | 5 |
| 11 | 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 |
| 10 | Preparation and characterization of Ni-nitrilotriacetic acid bearing poly(methacrylic acid) coated superparamagnetic magnetite nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 695-701 | 1.3 | 11 |
| 9 | 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 |
| 8 | Synthesis of N-polyethereal 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 |
| 7 | Rotifers in Turkish inland waters. <i>Zoology in the Middle East</i> , 2007 , 40, 71-76 | 0.7 | 4 |
| 6 | 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 |
| 5 | 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 |

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|---|---|-----|---|
| 4 | Six Rotifer species new for the Turkish fauna. <i>Zoology in the Middle East</i> , 2005 , 36, 99-104 | 0.7 | 9 |
| 3 | Newly isolated sporopollenin microcages from <i>Cedrus libani</i> and <i>Pinus nigra</i> for controlled delivery of Oxaliplatin | | 1 |
| 2 | 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 |
| 1 | Biomimetic surfaces prepared by soft lithography and vapour deposition for hydrophobic and antibacterial performance. <i>Materials Technology</i> ,1-8 | 2.1 | 3 |