# Murat Kaya

## List of Publications by Year in descending order



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|---|---|---|---|
| 146 papers | 6,495 citations | 50244 46 h-index | 76872 74 g-index |
| 149 all docs | 149 docs citations | 149 times ranked | 7142 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Current advancements in chitosan-based film production for food technology; A review. International Journal of Biological Macromolecules, 2019, 121, 889-904. | 3.6 | 303 |
| 2 | On chemistry of Î³-chitin. Carbohydrate Polymers, 2017, 176, 177-186. | 5.1 | 225 |
| 3 | Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of Pistacia terebinthus for active food packaging. RSC Advances, 2018, 8, 3941-3950. | 1.7 | 196 |
| 4 | Palladium nanoparticles supported on amine-functionalized SiO2 for the catalytic hexavalent chromium reduction. Applied Catalysis B: Environmental, 2016, 180, 53-64. | 10.8 | 190 |
| 5 | Extreme levels of hidden diversity in microscopic animals (Rotifera) revealed by DNA taxonomy. Molecular Phylogenetics and Evolution, 2009, 53, 182-189. | 1.2 | 160 |
| 6 | Production and characterization of chitosan based edible films from Berberis crataegina's fruit extract and seed oil. Innovative Food Science and Emerging Technologies, 2018, 45, 287-297. | 2.7 | 146 |
| 7 | Palladium(0) nanoparticles supported on silica-coated cobalt ferrite: A highly active, magnetically isolable and reusable catalyst for hydrolytic dehydrogenation of ammonia borane. Applied Catalysis B: Environmental, 2014, 147, 387-393. | 10.8 | 139 |
| 8 | Pd-MnO nanoparticles dispersed on amine-grafted silica: Highly efficient nanocatalyst for hydrogen production from additive-free dehydrogenation of formic acid under mild conditions. Applied Catalysis B: Environmental, 2015, 164, 324-333. | 10.8 | 137 |
| 9 | Carbon supported trimetallic PdNiAg nanoparticles as highly active, selective and reusable catalyst in the formic acid decomposition. Applied Catalysis B: Environmental, 2014, 160-161, 514-524. | 10.8 | 134 |
| 10 | Extraction and Characterization of Î±-Chitin and Chitosan from Six Different Aquatic Invertebrates. Food Biophysics, 2014, 9, 145-157. | 1.4 | 131 |
| 11 | Carbon dispersed copper-cobalt alloy nanoparticles: A cost-effective heterogeneous catalyst with exceptional performance in the hydrolytic dehydrogenation of ammonia-borane. Applied Catalysis B: Environmental, 2016, 180, 121-129. | 10.8 | 128 |
| 12 | Physicochemical comparison of chitin and chitosan obtained from larvae and adult Colorado potato beetle (Leptinotarsa decemlineata). Materials Science and Engineering C, 2014, 45, 72-81. | 3.8 | 127 |
| 13 | PdAu-MnO nanoparticles supported on amine-functionalized SiO2 for the room temperature dehydrogenation of formic acid in the absence of additives. Applied Catalysis B: Environmental, 2016, 180, 586-595. | 10.8 | 121 |
| 14 | MnO<sub>x</sub>-Promoted PdAg Alloy Nanoparticles for the Additive-Free Dehydrogenation of Formic Acid at Room Temperature. ACS Catalysis, 2015, 5, 6099-6110. | 5.5 | 120 |
| 15 | Utilization of flax (Linum usitatissimum) cellulose nanocrystals as reinforcing material for chitosan films. International Journal of Biological Macromolecules, 2017, 104, 944-952. | 3.6 | 116 |
| 16 | Extraction and characterization of chitin and chitosan with antimicrobial and antioxidant activities from cosmopolitan Orthoptera species (Insecta). Biotechnology and Bioprocess Engineering, 2015, 20, 168-179. | 1.4 | 115 |
| 17 | Supported copperâ€“copper oxide nanoparticles as active, stable and low-cost catalyst in the methanolysis of ammoniaâ€“borane for chemical hydrogen storage. Applied Catalysis B: Environmental, 2015, 165, 169-175. | 10.8 | 112 |
| 18 | Comparison of chitin structures isolated from seven Orthoptera species. International Journal of Biological Macromolecules, 2015, 72, 797-805. | 3.6 | 98 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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. ACS Applied Materials & Interfaces, 2012, 4, 3866-3873. | 4.0 | 96 |
| 20 | Potential use of kraft and organosolv lignins as a natural additive for healthcare products. RSC Advances, 2018, 8, 24525-24533. | 1.7 | 93 |
| 21 | Chitosan-based delivery systems for plants: A brief overview of recent advances and future directions. International Journal of Biological Macromolecules, 2020, 154, 683-697. | 3.6 | 90 |
| 22 | Differentiations of Chitin Content and Surface Morphologies of Chitins Extracted from Male and Female Grasshopper Species. PLoS ONE, 2015, 10, e0115531. | 1.1 | 87 |
| 23 | New chitin, chitosan, and O-carboxymethyl chitosan sources from resting eggs of Daphnia longispina (Crustacea); with physicochemical characterization, and antimicrobial and antioxidant activities. Biotechnology and Bioprocess Engineering, 2014, 19, 58-69. | 1.4 | 83 |
| 24 | New Approach for the Surface Enhanced Resonance Raman Scattering (SERRS) Detection of Dopamine at Picomolar (pM) Levels in the Presence of Ascorbic Acid. Analytical Chemistry, 2012, 84, 7729-7735. | 3.2 | 79 |
| 25 | Amine grafted silica supported CrAuPd alloy nanoparticles: superb heterogeneous catalysts for the room temperature dehydrogenation of formic acid. Chemical Communications, 2015, 51, 11417-11420. | 2.2 | 79 |
| 26 | Preparation and characterisation of biodegradable pollenâ€“chitosan microcapsules and its application in heavy metal removal. Bioresource Technology, 2015, 177, 1-7. | 4.8 | 76 |
| 27 | Methylene blue photocatalytic degradation under visible light irradiation on copper phthalocyanine-sensitized TiO2 nanopowders. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 224, 9-17. | 1.7 | 74 |
| 28 | Changes in physicochemical properties of chitin at developmental stages (larvae, pupa and adult) of Vespa crabro (wasp). Carbohydrate Polymers, 2016, 145, 64-70. | 5.1 | 67 |
| 29 | Comparison of physicochemical properties of chitins isolated from an insect (Melolontha) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 | 0.4 | 66 |
| 30 | Description of a new surface morphology for chitin extracted from wings of cockroach (Periplaneta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 3.6 | 66 |
| 31 | First chitin extraction from Plumatella repens (Bryozoa) with comparison to chitins of insect and fungal origin. International Journal of Biological Macromolecules, 2015, 79, 126-132. | 3.6 | 65 |
| 32 | A physicochemical characterization of fully acetylated chitin structure isolated from two spider species: With new surface morphology. International Journal of Biological Macromolecules, 2014, 65, 553-558. | 3.6 | 64 |
| 33 | A new method for fast chitin extraction from shells of crab, crayfish and shrimp. Natural Product Research, 2015, 29, 1477-1480. | 1.0 | 64 |
| 34 | Green heterogeneous Pd(II) catalyst produced from chitosan-cellulose micro beads for green synthesis of biaryls. Carbohydrate Polymers, 2016, 152, 181-188. | 5.1 | 62 |
| 35 | Design and application of sporopollenin microcapsule supported palladium catalyst: Remarkably high turnover frequency and reusability in catalysis of biaryls. Journal of Colloid and Interface Science, 2017, 486, 194-203. | 5.0 | 62 |
| 36 | Cryptic diversity in the genus Adineta Hudson & Gosse, 1886 (Rotifera: Bdelloidea: Adinetidae): a DNA taxonomy approach. Hydrobiologia, 2011, 662, 27-33. | 1.0 | 61 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Chitin extraction and characterization from Daphnia magna resting eggs. International Journal of Biological Macromolecules, 2013, 61, 459-464. | 3.6 | 59 |
| 38 | Bat guano as new and attractive chitin and chitosan source. Frontiers in Zoology, 2014, 11, . | 0.9 | 59 |
| 39 | Chitosan coating of red kiwifruit (Actinidia melanandra) for extending of the shelf life. International Journal of Biological Macromolecules, 2016, 85, 355-360. | 3.6 | 59 |
| 40 | An environmental catalyst derived from biological waste materials for green synthesis of biaryls via Suzuki coupling reactions. Journal of Molecular Catalysis A, 2016, 420, 216-221. | 4.8 | 57 |
| 41 | Diatomite as a novel composite ingredient for chitosan film with enhanced physicochemical properties. International Journal of Biological Macromolecules, 2017, 105, 1401-1411. | 3.6 | 56 |
| 42 | Supplementing capsaicin with chitosan-based films enhanced the anti-quorum sensing, antimicrobial, antioxidant, transparency, elasticity and hydrophobicity. International Journal of Biological Macromolecules, 2018, 115, 438-446. | 3.6 | 55 |
| 43 | Production of magnetically recoverable, thermally stable, bio-based catalyst: Remarkable turnover frequency and reusability in Suzuki coupling reaction. Chemical Engineering Journal, 2018, 331, 102-113. | 6.6 | 55 |
| 44 | Exceptionally high turnover frequencies recorded for a new chitosan-based palladium(II) catalyst. Applied Catalysis A: General, 2016, 523, 12-20. | 2.2 | 53 |
| 45 | Atomic layer deposition-SiO 2 layers protected PdCoNi nanoparticles supported on TiO 2 nanopowders: Exceptionally stable nanocatalyst for the dehydrogenation of formic acid. Applied Catalysis B: Environmental, 2017, 210, 470-483. | 10.8 | 52 |
| 46 | Production and characterization of chitosan-fungal extract films. Food Bioscience, 2020, 35, 100545. | 2.0 | 52 |
| 47 | High similarity in physicochemical properties of chitin and chitosan from nymphs and adults of a grasshopper. International Journal of Biological Macromolecules, 2016, 89, 118-126. | 3.6 | 50 |
| 48 | Effect of different animal fat and plant oil additives on physicochemical, mechanical, antimicrobial and antioxidant properties of chitosan films. International Journal of Biological Macromolecules, 2018, 111, 475-484. | 3.6 | 48 |
| 49 | Efficiency of chitosanâ€“algal biomass composite microbeads at heavy metal removal. Reactive and Functional Polymers, 2016, 98, 38-47. | 2.0 | 47 |
| 50 | Ruthenium(0) nanoparticles supported on magnetic silica coated cobalt ferrite: Reusable catalyst in hydrogen generation from the hydrolysis of ammonia-borane. Journal of Molecular Catalysis A, 2014, 394, 253-261. | 4.8 | 46 |
| 51 | Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee. Carbohydrate Polymers, 2015, 132, 9-16. | 5.1 | 46 |
| 52 | Comparison of antimicrobial activities of newly obtained low molecular weight scorpion chitosan and medium molecular weight commercial chitosan. Journal of Bioscience and Bioengineering, 2016, 121, 678-684. | 1.1 | 45 |
| 53 | Production of novel chia-mucilage nanocomposite films with starch nanocrystals; An inclusive biological and physicochemical perspective. International Journal of Biological Macromolecules, 2019, 133, 663-673. | 3.6 | 45 |
| 54 | Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. Food Hydrocolloids, 2019, 89, 20-28. | 5.6 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Isolation and identification of chitin from heavy mineralized skeleton of Suberea clavata (Verongida:) Tj ETQq1 1 0.784314 rgBT /Over 2017, 104, 1706-1712. | 3.6 | 44 |
| 56 | Physicochemical Properties of Chitin and Chitosan Produced from Medicinal Fungus (Fomitopsis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 | 1.4 | 41 |
| 57 | Crayfish chitosan for microencapsulation of coriander ( Coriandrum sativum L.) essential oil. International Journal of Biological Macromolecules, 2016, 92, 125-133. | 3.6 | 37 |
| 58 | Flexural stress enhancement of concrete by incorporation of algal cellulose nanofibers. Construction and Building Materials, 2017, 149, 289-295. | 3.2 | 36 |
| 59 | Hydroxyapatite-nanosphere supported ruthenium(0) nanoparticle catalyst for hydrogen generation from ammonia-borane solution: kinetic studies for nanoparticle formation and hydrogen evolution. RSC Advances, 2014, 4, 28947-28955. | 1.7 | 35 |
| 60 | Controlled release and anti-proliferative effect of imatinib mesylate loaded sporopollenin microcapsules extracted from pollens of Betula pendula. International Journal of Biological Macromolecules, 2017, 105, 749-756. | 3.6 | 35 |
| 61 | False flax (Camelina sativa) seed oil as suitable ingredient for the enhancement of physicochemical and biological properties of chitosan films. International Journal of Biological Macromolecules, 2018, 114, 1224-1232. | 3.6 | 35 |
| 62 | Palladium Nanoparticles Decorated Graphene Oxide: Active and Reusable Nanocatalyst for the Catalytic Reduction of Hexavalent Chromium(VI). ChemistrySelect, 2017, 2, 8312-8319. | 0.7 | 34 |
| 63 | Survey of moss-dwelling bdelloid rotifers from middle Arctic Spitsbergen (Svalbard). Polar Biology, 2010, 33, 833-842. | 0.5 | 33 |
| 64 | Preparation of silica coated cobalt ferrite magnetic nanoparticles for the purification of histidine-tagged proteins. Journal of Physics and Chemistry of Solids, 2015, 87, 64-71. | 1.9 | 32 |
| 65 | Effect of molecular weight of chitosan on the shelf life and other quality parameters of three different cultivars of Actinidia kolomikta (kiwifruit). Carbohydrate Polymers, 2017, 173, 269-275. | 5.1 | 32 |
| 66 | A new pollen-derived microcarrier for pantoprazole delivery. Materials Science and Engineering C, 2017, 71, 937-942. | 3.8 | 32 |
| 67 | In situ chitin isolation from body parts of a centipede and lysozyme adsorption studies. Materials Science and Engineering C, 2017, 70, 552-563. | 3.8 | 31 |
| 68 | Microfungal spores ( Ustilago maydis and U. digitariae ) immobilised chitosan microcapsules for heavy metal removal. Carbohydrate Polymers, 2016, 138, 201-209. | 5.1 | 30 |
| 69 | Biological, mechanical, optical and physicochemical properties of natural chitin films obtained from the dorsal pronotum and the wing of cockroach. Carbohydrate Polymers, 2017, 163, 162-169. | 5.1 | 29 |
| 70 | Comparison of bovine serum albumin adsorption capacities of Î±-chitin isolated from an insect and Î²-chitin from cuttlebone. Journal of Industrial and Engineering Chemistry, 2016, 38, 146-156. | 2.9 | 28 |
| 71 | Natural porous and nano fiber chitin structure from Gammarus argaeus (Gammaridae Crustacea). EXCLI Journal, 2013, 12, 503-10. | 0.5 | 27 |
| 72 | Palladium(0) nanoparticles supported on hydroxyapatite nanospheres: active, long-lived, and reusable nanocatalyst for hydrogen generation from the dehydrogenation of aqueous ammoniaâ€“borane solution. Journal of Nanoparticle Research, 2014, 16, 1. | 0.8 | 26 |

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|---|---|---|---|
| 73 | Surface morphology of chitin highly related with the isolated body part of butterfly ( Argynnis) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 3.6 | 26 |
| 74 | Chitosan nanofiber production from Drosophila by electrospinning. International Journal of Biological Macromolecules, 2016, 92, 49-55. | 3.6 | 26 |
| 75 | Porous and nanofiber Î±-chitosan obtained from blue crab (Callinectes sapidus) tested for antimicrobial and antioxidant activities. LWT - Food Science and Technology, 2016, 65, 1109-1117. | 2.5 | 26 |
| 76 | Novel three-dimensional cellulose produced from trunk of Astragalus gummifer (Fabaceae) tested for protein adsorption performance. Materials Science and Engineering C, 2016, 62, 144-151. | 3.8 | 25 |
| 77 | Newly isolated sporopollenin microcages from Platanus orientalis pollens as a vehicle for controlled drug delivery. Materials Science and Engineering C, 2017, 77, 263-270. | 3.8 | 25 |
| 78 | Amine-functionalized graphene nanosheet-supported PdAuNi alloy nanoparticles: efficient nanocatalyst for formic acid dehydrogenation. New Journal of Chemistry, 2018, 42, 16103-16114. | 1.4 | 25 |
| 79 | Nanocrystalline metal organic framework (MIL-101) stabilized copper Nanoparticles: Highly efficient nanocatalyst for the hydrolytic dehydrogenation of methylamine borane. Inorganica Chimica Acta, 2018, 483, 431-439. | 1.2 | 25 |
| 80 | Inconsistent estimates of diversity between traditional and DNA taxonomy in bdelloid rotifers. Organisms Diversity and Evolution, 2009, 9, 3-12. | 0.7 | 23 |
| 81 | Physicochemical characterization of chitin and chitosan obtained from resting eggs of Ceriodaphnia quadrangula (Branchiopoda: Cladocera: Daphniidae). Journal of Crustacean Biology, 2014, 34, 283-288. | 0.3 | 22 |
| 82 | The quick extraction of chitin from an epizoic crustacean species (Chelonibia patula). Natural Product Research, 2014, 28, 2186-2190. | 1.0 | 22 |
| 83 | Incorporation of sporopollenin enhances acidâ€“base durability, hydrophobicity, and mechanical, antifungal and antioxidant properties of chitosan films. Journal of Industrial and Engineering Chemistry, 2017, 47, 236-245. | 2.9 | 22 |
| 84 | Structural characterization of the buccal mass of Ariolimax californicus (Gastropoda;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (Styl | 1.1 | 22 |
| 85 | An inclusive physicochemical comparison of natural and synthetic chitin films. International Journal of Biological Macromolecules, 2018, 106, 1062-1070. | 3.6 | 21 |
| 86 | Physicochemical and in vitro cytotoxic properties of chitosan from mushroom species (Boletus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 | 5.1 | 21 |
| 87 | Functionalized polysulfide copolymers with 4-vinylpyridine via inverse vulcanization. Materials Today Communications, 2019, 19, 336-341. | 0.9 | 21 |
| 88 | Microbial biofilm activity and physicochemical characterization of biodegradable and edible cups obtained from abdominal exoskeleton of an insect. Innovative Food Science and Emerging Technologies, 2016, 36, 68-74. | 2.7 | 20 |
| 89 | <p>The Pimpled Gold Nanosphere: A Superior Candidate for Plasmonic Photothermal Therapy</p>. International Journal of Nanomedicine, 2020, Volume 15, 2903-2920. | 3.3 | 19 |
| 90 | COMPARISON OF CHITIN STRUCTURES DERIVED FROM THREE COMMON WASP SPECIES (Vespa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.6 | 18 |

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|---|---|---|---|
| 91 | DNA interaction, antitumor and antimicrobial activities of three-dimensional chitosan ring produced from the body segments of a diplopod. Carbohydrate Polymers, 2016, 146, 80-89. | 5.1 | 18 |
| 92 | Synthesis, characterization, and enhanced formic acid electrooxidation activity of carbon supported MnO x promoted Pd nanoparticles. Advanced Powder Technology, 2018, 29, 1409-1416. | 2.0 | 18 |
| 93 | The presence of Î±-chitin in Tardigrada with comments on chitin in the Ecdysozoa. Zoologischer Anzeiger, 2016, 264, 11-16. | 0.4 | 17 |
| 94 | Cobalt nanoparticles supported on alumina nanofibers (Co/Al2O3): Cost effective catalytic system for the hydrolysis of methylamine borane. International Journal of Hydrogen Energy, 2019, 44, 28441-28450. | 3.8 | 17 |
| 95 | Determination of Bovine Serum Albumin Adsorption Capacity of Newly Obtained Cellulose extracted from Glycyrrhiza glabra (Licorice). Advances in Polymer Technology, 2018, 37, 606-611. | 0.8 | 16 |
| 96 | Natural Î²-chitin-protein complex film obtained from waste razor shells for transdermal capsaicin carrier. International Journal of Biological Macromolecules, 2020, 155, 508-515. | 3.6 | 16 |
| 97 | Usage of natural chitosan membrane obtained from insect corneal lenses as a drug carrier and its potential for point of care tests. Materials Science and Engineering C, 2020, 112, 110897. | 3.8 | 16 |
| 98 | 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. Chemical Engineering Journal, 2021, 407, 126667. | 6.6 | 16 |
| 99 | Characteristics of corneal lens chitin in dragonfly compound eyes. International Journal of Biological Macromolecules, 2016, 89, 54-61. | 3.6 | 15 |
| 100 | Chitosan Loses Innate Beneficial Properties after Being Dissolved in Acetic Acid: Supported by Detailed Molecular Modeling. ACS Sustainable Chemistry and Engineering, 2020, 8, 18083-18093. | 3.2 | 15 |
| 101 | Biochemical composition and bioactivity screening of various extracts from Dunaliella salina, a green microalga. EXCLI Journal, 2014, 13, 679-90. | 0.5 | 15 |
| 102 | Six Rotifer species new for the Turkish fauna. Zoology in the Middle East, 2005, 36, 99-104. | 0.2 | 14 |
| 103 | Use of sea urchin spines with chitosan gel for biodegradable film production. International Journal of Biological Macromolecules, 2020, 152, 102-108. | 3.6 | 14 |
| 104 | Production of natural chitin film from pupal shell of moth: Fabrication of plasmonic surfaces for SERS-based sensing applications. Carbohydrate Polymers, 2021, 262, 117909. | 5.1 | 14 |
| 105 | Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2010, 10, . | 0.4 | 13 |
| 106 | Resting Eggs as New Biosorbent for Preconcentration of Trace Elements in Various Samples Prior to Their Determination by FAAS. Biological Trace Element Research, 2014, 159, 254-262. | 1.9 | 13 |
| 107 | Keggin Typeâ€Polyoxometalate Decorated Ruthenium Nanoparticles: Highly Active and Selective Nanocatalyst for the Oxidation of Veratryl Alcohol as a Lignin Model Compound. ChemistrySelect, 2017, 2, 2487-2494. | 0.7 | 13 |
| 108 | Complete Dehydrogenation of Hydrazine Borane on Manganese Oxide Nanorod-Supported Ni@Ir Coreâ€“Shell Nanoparticles. Inorganic Chemistry, 2020, 59, 9728-9738. | 1.9 | 13 |

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|---|---|---|---|
| 109 | Preparation and Characterization of Ni-Nitrilotriacetic Acid Bearing Poly(Methacrylic Acid) Coated Superparamagnetic Magnetite Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 695-701. | 0.9 | 12 |
| 110 | Characterisation of Î±-chitin extracted from a lichenised fungus species Xanthoria parietina. Natural Product Research, 2015, 29, 1280-1284. | 1.0 | 12 |
| 111 | GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS. Archives of Insect Biochemistry and Physiology, 2016, 93, 96-109. | 0.6 | 12 |
| 112 | Ag nanostructures on a poly(3,4-ethylenedioxythiophene) film prepared with electrochemical route: A controllable roughened SERS substrate with high repeatability and stability. Electrochimica Acta, 2012, 85, 220-227. | 2.6 | 11 |
| 113 | Morphological examination of the resting egg structure of 3 cladoceran species [Ceriodaphnia quadrangula (O. F. MÃ¼ller, 1785), Daphnia longispina (O. F. MÃ¼ller, 1776), and D. magna Straus, 1820]. Turkish Journal of Zoology, 2014, 38, 131-135. | 0.4 | 11 |
| 114 | Ruthenium Nanoparticles Supported on Reduced Graphene Oxide: Efficient Catalyst for the Catalytic Reduction of Cr(VI) in the Presence of Amineâ€Boranes. ChemistrySelect, 2020, 5, 6961-6970. | 0.7 | 11 |
| 115 | Extraction of high thermally stable and nanofibrous chitin from Cicada (Cicadoidea). Entomological Research, 2018, 48, 480-489. | 0.6 | 10 |
| 116 | Rotifers in Turkish inland waters. Zoology in the Middle East, 2007, 40, 71-76. | 0.2 | 9 |
| 117 | Silver Nanoparticle-Doped Polyvinyl Alcohol Coating as a Mediumfor Surface-Enhanced Raman Scattering Analysis. Journal of Nanoscience and Nanotechnology, 2008, 8, 955-960. | 0.9 | 9 |
| 118 | Germanium determination by flame atomic absorption spectrometry: An increased vapor pressure-chloride generation system. Talanta, 2011, 84, 122-126. | 2.9 | 9 |
| 119 | How Taxonomic Relations Affect the Physicochemical Properties of Chitin. Food Biophysics, 2016, 11, 10-19. | 1.4 | 9 |
| 120 | Three-dimensional chitin rings from body segments of a pet diplopod species: Characterization and protein interaction studies. Materials Science and Engineering C, 2016, 68, 716-722. | 3.8 | 9 |
| 121 | Production of magnetic chitinous microcages from ephippia of zooplankton Daphnia longispina and heavy metal removal studies. Carbohydrate Polymers, 2019, 207, 200-210. | 5.1 | 9 |
| 122 | Biomimetic surfaces prepared by soft lithography and vapour deposition for hydrophobic and antibacterial performance. Materials Technology, 2022, 37, 745-752. | 1.5 | 9 |
| 123 | Effects of diallyl trisulfide, an active substance from garlic essential oil, on structural chemistry of chitin in Sitotroga cerealella (Lepidoptera: Gelechiidae). Pesticide Biochemistry and Physiology, 2021, 172, 104765. | 1.6 | 9 |
| 124 | Encapsulation of Flurbiprofen by Chitosan Using a Spray-Drying Method with <i>In Vitro</i> Drug Releasing and Molecular Docking. Turkish Journal of Pharmaceutical Sciences, 2017, 14, 34-39. | 0.6 | 9 |
| 125 | A taxonomic study on the families Lepadellidae and Trichocercidae (Rotifera: Monogononta) of Turkey. Chinese Journal of Oceanology and Limnology, 2007, 25, 423-426. | 0.7 | 8 |
| 126 | A faunistic survey of bdelloid rotifers in Turkey. Zoology in the Middle East, 2009, 48, 114-116. | 0.2 | 8 |

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|---|---|---|---|
| 127 | Terrestrial bdelloid rotifers from Erzurum (Eastern part of Turkey). Turkish Journal of Zoology, 2013, , . | 0.4 | 8 |
| 128 | Hexavalent chromium removal by magnetic particle-loaded micro-sized chitinous egg shells isolated from ephippia of water flea. International Journal of Biological Macromolecules, 2019, 129, 23-30. | 3.6 | 6 |
| 129 | Chromium based metalâ€“organic framework MIL-101 decorated palladium nanoparticles for the methanolysis of ammonia-borane. New Journal of Chemistry, 2020, 44, 12435-12439. | 1.4 | 6 |
| 130 | Records of species ofLecaneNitzsch, 1827 new for the Turkish rotifer fauna (Ploima, Lecanidae). Zoology in the Middle East, 2007, 41, 119-120. | 0.2 | 5 |
| 131 | Detailed adsorption mechanism of plasmid DNA by newly isolated cellulose from waste flower spikes of Thypa latifolia using quantum chemical calculations. International Journal of Biological Macromolecules, 2017, 102, 914-923. | 3.6 | 5 |
| 132 | Nanohydrotalcite Supported Ruthenium Nanoparticles: Highly Efficient Heterogeneous Catalyst for the Oxidative Valorization of Lignin Model Compounds. ChemistrySelect, 2017, 2, 10191-10198. | 0.7 | 5 |
| 133 | Bioremediation of heavy metal contaminated medium using Lemna minor, Daphnia magna and their consortium. Chemistry and Ecology, 2018, 34, 43-55. | 0.6 | 5 |
| 134 | Characterisation of chitin in the cuticle of a velvet worm (Onychophora). Turkish Journal of Zoology, 2019, 43, 416-424. | 0.4 | 5 |
| 135 | Characterization of tongue worm (Pentastomida) chitin supports Î±- rather than Î²-chitin. Zoologischer Anzeiger, 2019, 279, 111-115. | 0.4 | 5 |
| 136 | Newly isolated sporopollenin microcages from Cedrus libani and Pinus nigra as carrier for Oxaliplatin; xCELLigence RTCA-based release assay. Polymer Bulletin, 2022, 79, 519-540. | 1.7 | 5 |
| 137 | Testing the habitat selectivity of bdelloid rotifers in a restricted area. Turkish Journal of Zoology, 2015, 39, 1132-1141. | 0.4 | 4 |
| 138 | Production and Characterization of Nontoxic and Biodegradable Chitosanâ€“Ectomycorrhizal Fungi Spores Blend Films. Waste and Biomass Valorization, 2021, 12, 5899. | 1.8 | 4 |
| 139 | Polyhedral oligomeric silsesquioxane cage integrated soluble and fluorescent poly(3,4-propylenedioxythiophene) dye. Polymer, 2021, 212, 123127. | 1.8 | 3 |
| 140 | Habitat Selection, Diversity and Estimating the Species Richness of Rotifers in Two Ponds Located in Central Anatolia. Journal of Animal and Veterinary Advances, 2010, 9, 2437-2444. | 0.1 | 3 |
| 141 | Synthesis of Nâ€polyethereal polypyrroles and their application for the preconcentration of rare earth ions. Journal of Applied Polymer Science, 2008, 108, 2707-2711. | 1.3 | 2 |
| 142 | Highly Fibrous and Porous Raw Material Shaped Chitin Isolated from Oniscus sp. (Crustacea). Food Biophysics, 2016, 11, 101-107. | 1.4 | 1 |
| 143 | Silver Nanoparticles Added Polymer Film Prepared by Electrochemical Route for Surface Enhanced Raman Scattering Applications. Journal of the Electrochemical Society, 2019, 166, B243-B248. | 1.3 | 1 |
| 144 | Frequency dependent dielectric properties of biomimetic growth chitin. , 2016, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Gold-assembled silica-coated cobalt nanoparticles as efficient magnetic separationunits and surface-enhanced Raman scattering substrate. Turkish Journal of Chemistry, 2019, 43, 307-318. | 0.5 | 0 |
| 146 | Macroporous Surgical Mesh from a Natural Cocoon Composite. ACS Sustainable Chemistry and Engineering, 2022, 10, 5728-5738. | 3.2 | 0 |