

# Aharon Gedanken

## List of Publications by Year in descending order

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689  
papers

41,453  
citations

1888

102  
h-index

5384

164  
g-index

698  
all docs

698  
docs citations

698  
times ranked

38663  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Polydopamine decorated carbon dots nanocomposite as an effective adsorbent for phenolic compounds. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51769.   | 1.3 | 3         |
| 2  | Solar intervention in bioenergy. , 2022, , 621-642.  |     | 0         |
| 3  | Acoustic Green Synthesis of Graphene-Gallium Nanoparticles and PEDOT:PSS Hybrid Coating for Textile To Mitigate Electromagnetic Radiation Pollution. <i>ACS Applied Nano Materials</i> , 2022, 5, 1644-1655.   | 2.4 | 61        |
| 4  | Antimicrobial Activities of Conducting Polymers and Their Composites. <i>Macromol</i> , 2022, 2, 78-99.  | 2.4 | 24        |
| 5  | Synthesis of Doped/Hybrid Carbon Dots and Their Biomedical Application. <i>Nanomaterials</i> , 2022, 12, 898.  | 1.9 | 22        |
| 6  | Mussel-Inspired Polynorepinephrine/MXene-Based Magnetic Nanohybrid for Electromagnetic Interference Shielding in X-Band and Strain-Sensing Performance. <i>Langmuir</i> , 2022, 38, 3936-3950.   | 1.6 | 65        |
| 7  | Synergy between Cobalt-Chromium-Layered Double Hydroxide Nanosheets and Oxidized Carbon Nanotubes for Electrocatalytic Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2022, 5, 4091-4101.   | 2.4 | 4         |
| 8  | Effects of a ZnCuO-Nanocoated Ti-6Al-4V Surface on Bacterial and Host Cells. <i>Materials</i> , 2022, 15, 2514.  | 1.3 | 1         |
| 9  | One-Pot Synthesis of Deep Blue Hydrophobic Carbon Dots with Room Temperature Phosphorescence, White Light Emission, and Explosive Sensor. <i>Advanced Electronic Materials</i> , 2022, 8, .  | 2.6 | 16        |
| 10 | Rhenium Sulfide Incorporated in Molybdenum Sulfide Nanosheets for High-Performance Symmetric Supercapacitors with Enhanced Capacitance. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 18570-18577.   | 4.0 | 18        |
| 11 | Nitrogen-doped carbon dots as a highly selective and sensitive fluorescent probe for sensing Mg <sup>2+</sup> ions in aqueous solution, and their application in the detection and imaging of intracellular Mg <sup>2+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131958. | 4.0 | 13        |
| 12 | CuO-Coated Antibacterial and Antiviral Car Air-Conditioning Filters. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24850-24855.  | 4.0 | 12        |
| 13 | Cellulose Nanocrystals (CNC)-Based Functional Materials for Supercapacitor Applications. <i>Nanomaterials</i> , 2022, 12, 1828.  | 1.9 | 15        |
| 14 | Boron-doped Carbon Dots with Surface Oxygen Functional Groups as a Highly Sensitive and Label-free Photoluminescence Probe for the Enhanced Detection of Mg <sup>2+</sup> Ions. <i>ChemistrySelect</i> , 2022, 7, .  | 0.7 | 1         |
| 15 | Co <sub>3</sub> O <sub>4</sub>   CoP Core-Shell Nanoparticles with Enhanced Electrocatalytic Water Oxidation Performance. <i>ACS Applied Nano Materials</i> , 2022, 5, 9150-9158.  | 2.4 | 2         |
| 16 | Microspheres of biomolecules/macromolecules for enantioseparation applications. <i>European Polymer Journal</i> , 2021, 142, 110145.   | 2.6 | 2         |
| 17 | In vitro skin toxicity of CuO and ZnO nanoparticles: Application in the safety assessment of antimicrobial coated textiles. <i>NanoImpact</i> , 2021, 21, 100282.  | 2.4 | 29        |
| 18 | High quantum yield boron-doped carbon dots: a ratiometric fluorescent probe for highly selective and sensitive detection of Mg <sup>2+</sup> ions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1632-1640.   | 2.7 | 47        |

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|----|---|-----|-----------|
| 19 | In vitro copper oxide nanoparticle toxicity on intestinal barrier. Journal of Applied Toxicology, 2021, 41, 291-302.  | 1.4 | 6         |
| 20 | Extending the Shelf Life of Strawberries by the Sonochemical Coating of their Surface with Nanoparticles of an Edible Anti-Bacterial Compound. Applied Nano, 2021, 2, 14-24.  | 0.9 | 16        |
| 21 | Sustainable existence of solid mercury (Hg) nanoparticles at room temperature and their applications. Chemical Science, 2021, 12, 3226-3238.  | 3.7 | 10        |
| 22 | Exploring the Effect of Iron Metal-Organic Framework Particles in Polylactic Acid Membranes for the Azeotropic Separation of Organic/Organic Mixtures by Pervaporation. Membranes, 2021, 11, 65.  | 1.4 | 34        |
| 23 | The catalytic production of biofuels (biodiesel and bioethanol) using sonochemical, microwave, and mechanical methods. , 2021, , 171-239.   |     | 2         |
| 24 | Making salty cucumbers and honeyed apples by applying the sonochemical method. Journal of Food Science and Technology, 2021, 58, 4263-4269.   | 1.4 | 2         |
| 25 | Green Synthesis of Multifunctional Carbon Dots with Antibacterial Activities. Nanomaterials, 2021, 11, 369.   | 1.9 | 69        |
| 26 | A comprehensive study on the combustion kinetic modeling of typical electronic plastic waste—television set (TV) plastic shell. Journal of the Air and Waste Management Association, 2021, 71, 701-710.                                     | 0.9 | 4         |
| 27 | Immobilization of Heteroatom-Doped Carbon Dots onto Nonpolar Plastics for Antifogging, Antioxidant, and Food Monitoring Applications. Langmuir, 2021, 37, 3508-3520.  | 1.6 | 78        |
| 28 | Photocatalytic Degradation of Organic Dyes and Antimicrobial Activities by Polyaniline—Nitrogen-Doped Carbon Dot Nanocomposite. Nanomaterials, 2021, 11, 1128.  | 1.9 | 31        |
| 29 | Biocompatible N-doped carbon dots for the eradication of methicillin-resistant <i>S. aureus</i> (MRSA) and sensitive analysis for europium (III). Nano Structures Nano Objects, 2021, 26, 100724.   | 1.9 | 10        |
| 30 | Novel Lignin-Capped Silver Nanoparticles against Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2021, 13, 22098-22109.   | 4.0 | 67        |
| 31 | Antibacterial and In Vivo Studies of a Green, One-Pot Preparation of Copper/Zinc Oxide Nanoparticle-Coated Bandages. Membranes, 2021, 11, 462.  | 1.4 | 11        |
| 32 | Carbon-Dots-Initiated Photopolymerization: An <i>In Situ</i> Synthetic Approach for MXene/Poly(norepinephrine)/Copper Hybrid and its Application for Mitigating Water Pollution. ACS Applied Materials & Interfaces, 2021, 13, 31038-31050. | 4.0 | 73        |
| 33 | Engineering of superhydrophobic silica microparticles and thin coatings on polymeric films by ultrasound irradiation. Materials Today Chemistry, 2021, 21, 100520.  | 1.7 | 11        |
| 34 | Sonochemically Prepared BSA Microspheres as Adsorbents for the Removal of Organic Pollutants from Water. Langmuir, 2021, 37, 9927-9938.   | 1.6 | 9         |
| 35 | Facile ultrasonic preparation of a polypyrrole membrane as an absorbent for efficient oil-water separation and as an antimicrobial agent. Ultrasonics Sonochemistry, 2021, 78, 105746.  | 3.8 | 10        |
| 36 | Tailor made magnetic nanolights: fabrication to cancer theranostics applications. Nanoscale Advances, 2021, 3, 6762-6796.   | 2.2 | 57        |

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|----|---|-----|-----------|
| 37 | Sonochemically engineered nano-enabled zinc oxide/amylase coatings prevent the occurrence of catheter-associated urinary tract infections. <i>Materials Science and Engineering C</i> , 2021, 131, 112518.  | 3.8 | 14        |
| 38 | Microbial inhibition and biosensing with multifunctional carbon dots: Progress and perspectives. <i>Biotechnology Advances</i> , 2021, 53, 107843.  | 6.0 | 24        |
| 39 | Effective degradation of cellulose by Microwave irradiation in alkaline solution. <i>Cellulose</i> , 2021, 28, 11275-11285.   | 2.4 | 6         |
| 40 | Photopolymerized Thin Coating of Polypyrrole/Graphene Nanofiber/Iron Oxide onto Nonpolar Plastic for Flexible Electromagnetic Radiation Shielding, Strain Sensing, and Non-Contact Heating Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101255. | 1.9 | 53        |
| 41 | Designing Natural Polymer-Based Capsules and Spheres for Biomedical Applications—A Review. <i>Polymers</i> , 2021, 13, 4307.  | 2.0 | 14        |
| 42 | Sonication-Assisted Synthesis of Bimetallic Hg/Pd Alloy Nanoparticles for Catalytic Reduction of Nitrophenol and its Derivatives. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104804.  | 3.8 | 28        |
| 43 | Sonochemical preparation of polyaniline@TiO <sub>2</sub> and polyaniline@SiO <sub>2</sub> for the removal of anionic and cationic dyes. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104864.  | 3.8 | 33        |
| 44 | Hazard assessment of polymer-capped CuO and ZnO nanocolloids: A contribution to the safe-by-design implementation of biocidal agents. <i>NanoImpact</i> , 2020, 17, 100195.   | 2.4 | 19        |
| 45 | Electrochemical Oxidation of Glycine with Bimetallic Nickel-Manganese Oxide Catalysts. <i>ChemElectroChem</i> , 2020, 7, 561-568.   | 1.7 | 12        |
| 46 | Nickel-Rich Phosphide (Ni <sub>12</sub> P <sub>5</sub> ) Nanosheets Coupled with Oxidized Multiwalled Carbon Nanotubes for Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 10914-10921.  | 2.4 | 23        |
| 47 | Antimicrobial Activities of Zn-Doped CuO Microparticles Decorated on Polydopamine against Sensitive and Antibiotic-Resistant Bacteria. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5878-5888.   | 2.0 | 38        |
| 48 | An efficient method to produce 1,4-pentanediol from the biomass of the algae <i>Chlorella ohadi</i> with levulinic acid as intermediate. <i>Bioresource Technology Reports</i> , 2020, 11, 100514.  | 1.5 | 8         |
| 49 | Bifunctional Carbon Dots—Magnetic and Fluorescent Hybrid Nanoparticles for Diagnostic Applications. <i>Nanomaterials</i> , 2020, 10, 1384.  | 1.9 | 13        |
| 50 | Entrapment and release kinetics study of dyes from BSA microspheres forming a matrix and a reservoir system. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10154-10161.  | 2.9 | 3         |
| 51 | Antimicrobial Properties of the Polyaniline Composites against <i>Pseudomonas aeruginosa</i> and <i>Klebsiella pneumoniae</i> . <i>Journal of Functional Biomaterials</i> , 2020, 11, 59.   | 1.8 | 14        |
| 52 | Boosting Electrocatalytic Hydrogen Evolution of Nickel foam Supported Nickel Hydroxide by Ruthenium Doping. <i>ChemistrySelect</i> , 2020, 5, 9626-9634.  | 0.7 | 4         |
| 53 | Carbon Dots for Heavy-Metal Sensing, pH-Sensitive Cargo Delivery, and Antibacterial Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 11777-11790.   | 2.4 | 113       |
| 54 | Microwave-Synthesized Polysaccharide-Derived Carbon Dots as Therapeutic Cargoes and Toughening Agents for Elastomeric Gels. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51940-51951.  | 4.0 | 90        |

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|----|--|-----|-----------|
| 55 | Applications of N-Doped Carbon Dots as Antimicrobial Agents, Antibiotic Carriers, and Selective Fluorescent Probes for Nitro Explosives. <i>ACS Applied Bio Materials</i> , 2020, 3, 8023-8031.  | 2.3 | 86        |
| 56 | Antimicrobial Properties of Polyaniline and Polypyrrole Decorated with Zinc-Doped Copper Oxide Microparticles. <i>Polymers</i> , 2020, 12, 1286.   | 2.0 | 38        |
| 57 | Facile Molecular Catalysis for Isomerization of Glucose to Fructose Using KMnO <sub>4</sub> in Water. <i>ChemistrySelect</i> , 2020, 5, 2913-2917.   | 0.7 | 4         |
| 58 | Cooperative crystallization effect in the formation of sonochemically grafted active materials based on polysaccharides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110931.  | 2.5 | 3         |
| 59 | Small molecule-decorated gold nanoparticles for preparing antibiofilm fabrics. <i>Nanoscale Advances</i> , 2020, 2, 2293-2302.   | 2.2 | 28        |
| 60 | Sonochemical synthesis of carbon dots, mechanism, effect of parameters, and catalytic, energy, biomedical and tissue engineering applications. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105009.  | 3.8 | 132       |
| 61 | Nitrogen-Enriched Porous Benzimidazole-Linked Polymeric Network for the Adsorption of La (III), Ce (III), and Nd (III). <i>Journal of Physical Chemistry C</i> , 2020, 124, 6206-6214.   | 1.5 | 13        |
| 62 | Silica-Supported Nitrogen-Enriched Porous Benzimidazole-Linked and Triazine-Based Polymers for the Adsorption of CO <sub>2</sub> . <i>Langmuir</i> , 2020, 36, 4280-4288.  | 1.6 | 8         |
| 63 | Antibacterial activities of microwave-assisted synthesized polypyrrole/chitosan and poly (pyrrole-N-(1-naphthyl) ethylenediamine) stimulated by C-dots. <i>Carbohydrate Polymers</i> , 2020, 243, 116474.  | 5.1 | 36        |
| 64 | Ultrasonic assisted synthesis of styrylpyridinium dyes: Optical properties and DFT calculations. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105182.  | 3.8 | 5         |
| 65 | Sonochemical One-Step Synthesis of Polymer-Capped Metal Oxide Nanocolloids: Antibacterial Activity and Cytotoxicity. <i>ACS Omega</i> , 2019, 4, 13631-13639.  | 1.6 | 15        |
| 66 | A Short Report on the Polymerization of Pyrrole and Its Copolymers by Sonochemical Synthesis of Fluorescent Carbon Dots. <i>Polymers</i> , 2019, 11, 1240.   | 2.0 | 21        |
| 67 | Kinetic, isotherm and mechanism studies of organic dye adsorption on poly(4,4'-oxybisbenzenamine) and copolymer of poly(4,4'-oxybisbenzenamine-pyrrole) macro-nanoparticles synthesized by multifunctional carbon dots. <i>New Journal of Chemistry</i> , 2019, 43, 1926-1935. | 1.4 | 39        |
| 68 | In vivo and in vitro study of a novel nanohydroxyapatite sonocoated scaffolds for enhanced bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 99, 669-684.  | 3.8 | 49        |
| 69 | Sonochemically modified ovalbumin enhances enantioenrichment of some amino acids. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104603.   | 3.8 | 7         |
| 70 | Silver and gold doped hydroxyapatite nanocomposites for enhanced bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 055002.  | 1.7 | 25        |
| 71 | Tribological Anti-Wear and Extreme-Pressure Performance of Multifunctional Metal and Nonmetal Doped C-based Nanodots. <i>Lubricants</i> , 2019, 7, 36.   | 1.2 | 8         |
| 72 | One-Pot Hydrothermal Synthesis of Elements (B, N, P)-Doped Fluorescent Carbon Dots for Cell Labelling, Differentiation and Outgrowth of Neuronal Cells. <i>ChemistrySelect</i> , 2019, 4, 4222-4232.   | 0.7 | 29        |

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|----|--|-----|-----------|
| 73 | Antibacterial properties of polypyrrole-treated fabrics by ultrasound deposition. <i>Materials Science and Engineering C</i> , 2019, 102, 164-170.   | 3.8 | 50        |
| 74 | Carbon-Dot Initiated Synthesis of Polypyrrole and Polypyrrole@CuO Micro/Nanoparticles with Enhanced Antibacterial Activity. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1181-1186.   | 2.0 | 72        |
| 75 | Cytotoxic and proinflammatory responses induced by ZnO nanoparticles in in vitro intestinal barrier. <i>Journal of Applied Toxicology</i> , 2019, 39, 1155-1163.   | 1.4 | 13        |
| 76 | Functionalization of WS 2 Nanotubes with Fluorescent Cd dots and Conductive Polythiophenes. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800476.  | 1.1 | 2         |
| 77 | Hexagonal plate-like Ni-Co-Mn hydroxide nanostructures to achieve high energy density of hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11362-11369.   | 5.2 | 110       |
| 78 | Selective production of furfural from the dehydration of xylose using Zn doped CuO catalyst. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 55-62.   | 3.8 | 30        |
| 79 | AS101-Loaded PLGA-PEG Nanoparticles for Autoimmune Regulation and Chemosensitization. <i>ACS Applied Bio Materials</i> , 2019, 2, 2246-2251.   | 2.3 | 3         |
| 80 | Zinc-Doped Copper Oxide Nanocomposites Inhibit the Growth of Pancreatic Cancer by Inducing Autophagy Through AMPK/mTOR Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 319.  | 1.6 | 16        |
| 81 | Antibacterial Activity against Methicillin-Resistant <i>Staphylococcus aureus</i> of Colloidal Polydopamine Prepared by Carbon Dot Stimulated Polymerization of Dopamine. <i>Nanomaterials</i> , 2019, 9, 1731.                  | 1.9 | 36        |
| 82 | Zn-doped CuO nanocomposites inhibit tumor growth by NF- $\kappa$ B pathway cross-linked autophagy and apoptosis. <i>Nanomedicine</i> , 2019, 14, 131-149.  | 1.7 | 12        |
| 83 | Fluorescent metal-doped carbon dots for neuronal manipulations. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 205-213.  | 3.8 | 70        |
| 84 | The sonochemical functionalization of textiles. , 2019, , 161-198.   |     | 8         |
| 85 | Ultrafine Ruthenium Oxide Nanoparticles Supported on Molybdenum Oxide Nanosheets as Highly Efficient Electrocatalyst for Hydrogen Evolution in Acidic Medium. <i>ChemCatChem</i> , 2019, 11, 1495-1502.                          | 1.8 | 22        |
| 86 | Antibacterial and physical properties of a novel sonochemical-assisted Zn-CuO contact lens nanocoating. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 95-100.                                 | 1.0 | 11        |
| 87 | Element (B, N, P) doped carbon dots interaction with neural cells: promising results and future prospective. , 2019, , .   |     | 11        |
| 88 | Imparting Pharmaceutical Applications to the Surface of Fabrics for Wound and Skin Care by Ultrasonic Waves. <i>Current Medicinal Chemistry</i> , 2019, 25, 5739-5754.   | 1.2 | 6         |
| 89 | Zn-doped CuO nanocomposites inhibit tumor growth in vitro and in vivo : Involvement of reactive oxygen species-dependent autophagy and apoptosis cross-linked by NF- $\kappa$ B pathway. <i>FASEB Journal</i> , 2019, 33, 811.7. | 0.2 | 0         |
| 90 | Ultrafine Highly Magnetic Fluorescent $\text{Fe}_2\text{O}_3/\text{NCD}$ Nanocomposites for Neuronal Manipulations. <i>ACS Omega</i> , 2018, 3, 1897-1903.   | 1.6 | 22        |

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|-----|---|-----|-----------|
| 91  | A facile method for the deposition of volatile natural compound-based nanoparticles on biodegradable polymer surfaces. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2240-2249.                                | 2.9 | 10        |
| 92  | Antiparasitic Ointment Based on a Biocompatible Carbon Dot Nanocomposite. <i>ACS Applied Nano Materials</i> , 2018, 1, 1784-1791.   | 2.4 | 19        |
| 93  | Durable antimicrobial cotton textiles coated sonochemically with ZnO nanoparticles embedded in an in-situ enzymatically generated bioadhesive. <i>Carbohydrate Polymers</i> , 2018, 189, 198-203.                   | 5.1 | 89        |
| 94  | Type-I superconductivity in carbon-coated Sn nano-spheres. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 546, 6-10.  | 0.6 | 6         |
| 95  | Imparting superhydrophobic and biocidal functionalities to a polymeric substrate by the sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 398-403.  | 3.8 | 10        |
| 96  | One-pot Sonochemical Synthesis of Hg-Ag Alloy Microspheres from Liquid Mercury. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 157-165.   | 3.8 | 14        |
| 97  | Proteinaceous microspheres as a delivery system for carvacrol and thymol in antibacterial applications. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 288-296.   | 3.8 | 32        |
| 98  | Continuous Waste Cooking Oil Transesterification with Microwave Heating and Strontium Oxide Catalyst. <i>Chemical Engineering and Technology</i> , 2018, 41, 192-198.   | 0.9 | 11        |
| 99  | Novel polymerization of aniline and pyrrole by carbon dots. <i>New Journal of Chemistry</i> , 2018, 42, 535-540.  | 1.4 | 47        |
| 100 | Fabrication of poly (4,4'-oxybisbenzamine) and its conjugated copolymers initiated by easily accessible carbon dots. <i>European Polymer Journal</i> , 2018, 109, 153-161.  | 2.6 | 17        |
| 101 | Eco-Friendly and Facile Preparation of Spherical Chitin Nanoparticles. <i>ChemistrySelect</i> , 2018, 3, 10787-10791.   | 0.7 | 4         |
| 102 | Formation of metallic silver and copper in non-aqueous media by ultrasonic radiation. <i>Ultrasonics Sonochemistry</i> , 2018, 47, 108-113.   | 3.8 | 9         |
| 103 | Accelerated Bone Regeneration by Nitrogen-Doped Carbon Dots Functionalized with Hydroxyapatite Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19373-19385.                                | 4.0 | 89        |
| 104 | Kinetics, Isotherm, and Thermodynamic Studies of Methylene Blue Adsorption on Polyaniline and Polypyrrole Macro-Nanoparticles Synthesized by C-Dot-Initiated Polymerization. <i>ACS Omega</i> , 2018, 3, 7196-7203. | 1.6 | 94        |
| 105 | Zinc-doped copper oxide nanocomposites reverse temozolomide resistance in glioblastoma by inhibiting AKT and ERK1/2. <i>Nanomedicine</i> , 2018, 13, 1303-1318.   | 1.7 | 19        |
| 106 | The Sonochemical Coating of Textiles With Antibacterial Nanoparticles. , 2018, , 235-255.   |     | 6         |
| 107 | Carbon Dot Initiated Synthesis of Poly(4,4'-diaminodiphenylmethane) and Its Methylene Blue Adsorption. <i>ACS Omega</i> , 2018, 3, 7061-7068.   | 1.6 | 35        |
| 108 | Green synthesis of MoS <sub>2</sub> nanoflowers for efficient degradation of methylene blue and crystal violet dyes under natural sun light conditions. <i>New Journal of Chemistry</i> , 2018, 42, 14318-14324.    | 1.4 | 65        |

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|-----|---|-----|-----------|
| 109 | Enantioselective Separation of Racemic Tryptophan with Sonochemically Prepared Egg Albumin Microspheres. <i>ChemistrySelect</i> , 2018, 3, 4004-4008.   | 0.7 | 6         |
| 110 | Surfactant Effect on the Thermal and Electrical Behaviors of Sonochemically Synthesized Fe and Fe <sub>2</sub> O <sub>3</sub> Analogues. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20755-20762.           | 1.5 | 8         |
| 111 | Sonochemically-fabricated Ga@C-dots@Ga nanoparticle-aided neural growth. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1371-1379.  | 2.9 | 37        |
| 112 | Nitrogen-doped carbon dots prepared from bovine serum albumin to enhance algal astaxanthin production. <i>Algal Research</i> , 2017, 23, 161-165.   | 2.4 | 39        |
| 113 | Graphene-Based "Hot Plate" for the Capture and Destruction of the Herpes Simplex Virus Type 1. <i>Bioconjugate Chemistry</i> , 2017, 28, 1115-1122.   | 1.8 | 85        |
| 114 | The interaction between molten gallium and the hydrocarbon medium induced by ultrasonic energy" can gallium carbide be formed?. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3305-3315.              | 1.9 | 10        |
| 115 | Fluorescent Nanoparticles with Tissue-Dependent Affinity for Live Zebrafish Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18557-18565.  | 4.0 | 39        |
| 116 | Solar-Heated Sustainable Biodiesel Production from Waste Cooking Oil Using a Sonochemically Deposited SrO Catalyst on Microporous Activated Carbon. <i>Energy &amp; Fuels</i> , 2017, 31, 6228-6239.                | 2.5 | 42        |
| 117 | One-step surface grafting of organic nanoparticles: in situ deposition of antimicrobial agents vanillin and chitosan on polyethylene packaging films. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2655-2661. | 2.9 | 21        |
| 118 | Stiffening of Metallic Gallium Particles by Entrapment of Organic Molecules. <i>Crystal Growth and Design</i> , 2017, 17, 2041-2045.  | 1.4 | 5         |
| 119 | Hybrid Chitosan"Silver Nanoparticles Enzymatically Embedded on Cork Filter Material for Water Disinfection. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 3599-3606.                           | 1.8 | 22        |
| 120 | Achievement and assessment of direct electron transfer of glucose oxidase in electrochemical biosensing using carbon nanotubes, graphene, and their nanocomposites. <i>Mikrochimica Acta</i> , 2017, 184, 369-388.  | 2.5 | 98        |
| 121 | Catheters coated with Zn-doped CuO nanoparticles delay the onset of catheter-associated urinary tract infections. <i>Nano Research</i> , 2017, 10, 520-533.   | 5.8 | 59        |
| 122 | A New Approach to Chiral Enrichment by Exposure of Racemates of Amino Acids to Sonochemically"Prepared BSA Microspheres. <i>ChemistrySelect</i> , 2017, 2, 8234-8238.   | 0.7 | 6         |
| 123 | Solar-energy-driven conversion of biomass to bioethanol: a sustainable approach. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15486-15506.  | 5.2 | 20        |
| 124 | Airborne Nanoparticle Release and Toxicological Risk from Metal-Oxide-Coated Textiles: Toward a Multiscale Safe-by-Design Approach. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9305-9317.            | 4.6 | 33        |
| 125 | Solar"Light"Driven Photocatalytic Activity of Novel Sn@C"Modified TiO <sub>2</sub> Catalyst. <i>ChemistrySelect</i> , 2017, 2, 6683-6688.   | 0.7 | 20        |
| 126 | Refractive-Index Tuning of Highly Fluorescent Carbon Dots. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28930-28938.  | 4.0 | 51        |



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|-----|--|-----|-----------|
| 127 | Topographical impact of silver nanolines on the morphology of neuronal SH-SY5Y Cells. Journal of Materials Chemistry B, 2017, 5, 9346-9353.  | 2.9 | 12        |
| 128 | Doping Effect on the Thermal Conductivity of Metal Oxide Nanofluids: Insight and Mechanistic Investigation. Journal of Physical Chemistry C, 2017, 121, 26551-26557.   | 1.5 | 11        |
| 129 | Nonaqueous synthesis of SrO nanopowder and SrO/SiO <sub>2</sub> composite and their application for biodiesel production via microwave irradiation. Renewable Energy, 2017, 101, 493-499.                          | 4.3 | 40        |
| 130 | Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. Applied Microbiology and Biotechnology, 2017, 101, 1443-1454.   | 1.7 | 27        |
| 131 | Continuous flow through a microwave oven for the large-scale production of biodiesel from waste cooking oil. Bioresource Technology, 2017, 224, 333-341.   | 4.8 | 79        |
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