

Aharon Gedanken

List of Publications by Year in descending order

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689
papers

41,453
citations

1893

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5394

164
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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. Journal of Applied Polymer Science, 2022, 139, 51769.	2.6	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. ACS Applied Nano Materials, 2022, 5, 1644-1655.	5.0	61
4	Antimicrobial Activities of Conducting Polymers and Their Composites. Macromol, 2022, 2, 78-99.	4.4	24
5	Synthesis of Doped/Hybrid Carbon Dots and Their Biomedical Application. Nanomaterials, 2022, 12, 898.	4.1	22
6	Mussel-Inspired Polynorepinephrine/MXene-Based Magnetic Nanohybrid for Electromagnetic Interference Shielding in X-Band and Strain-Sensing Performance. Langmuir, 2022, 38, 3936-3950.	3.5	65
7	Synergy between Cobalt-Chromium-Layered Double Hydroxide Nanosheets and Oxidized Carbon Nanotubes for Electrocatalytic Oxygen Evolution. ACS Applied Nano Materials, 2022, 5, 4091-4101.	5.0	4
8	Effects of a ZnCuO-Nanocoated Ti-6Al-4V Surface on Bacterial and Host Cells. Materials, 2022, 15, 2514.	2.9	1
9	One-Pot Synthesis of Deep Blue Hydrophobic Carbon Dots with Room Temperature Phosphorescence, White Light Emission, and Explosive Sensor. Advanced Electronic Materials, 2022, 8, .	5.1	16
10	Rhenium Sulfide Incorporated in Molybdenum Sulfide Nanosheets for High-Performance Symmetric Supercapacitors with Enhanced Capacitance. ACS Applied Materials & Interfaces, 2022, 14, 18570-18577.	8.0	18
11	Nitrogen-doped carbon dots as a highly selective and sensitive fluorescent probe for sensing Mg ²⁺ ions in aqueous solution, and their application in the detection and imaging of intracellular Mg ²⁺ ions. Sensors and Actuators B: Chemical, 2022, 366, 131958.	7.8	13
12	CuO-Coated Antibacterial and Antiviral Car Air-Conditioning Filters. ACS Applied Materials & Interfaces, 2022, 14, 24850-24855.	8.0	12
13	Cellulose Nanocrystals (CNC)-Based Functional Materials for Supercapacitor Applications. Nanomaterials, 2022, 12, 1828.	4.1	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 ²⁺ Ions. ChemistrySelect, 2022, 7, .	1.5	1
15	Co ₃ O ₄ CoP Core-Shell Nanoparticles with Enhanced Electrocatalytic Water Oxidation Performance. ACS Applied Nano Materials, 2022, 5, 9150-9158.	5.0	2
16	Microspheres of biomolecules/macromolecules for enantioseparation applications. European Polymer Journal, 2021, 142, 110145.	5.4	2
17	In vitro skin toxicity of CuO and ZnO nanoparticles: Application in the safety assessment of antimicrobial coated textiles. NanoImpact, 2021, 21, 100282.	4.5	29
18	High quantum yield boron-doped carbon dots: a ratiometric fluorescent probe for highly selective and sensitive detection of Mg ²⁺ ions. Journal of Materials Chemistry C, 2021, 9, 1632-1640.	5.5	47

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19	In vitro copper oxide nanoparticle toxicity on intestinal barrier. Journal of Applied Toxicology, 2021, 41, 291-302.	2.8	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.	2.0	16
21	Sustainable existence of solid mercury (Hg) nanoparticles at room temperature and their applications. Chemical Science, 2021, 12, 3226-3238.	7.4	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.	3.0	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.	2.8	2
25	Green Synthesis of Multifunctional Carbon Dots with Antibacterial Activities. Nanomaterials, 2021, 11, 369.	4.1	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.	1.9	4
27	Immobilization of Heteroatom-Doped Carbon Dots onto Nonpolar Plastics for Antifogging, Antioxidant, and Food Monitoring Applications. Langmuir, 2021, 37, 3508-3520.	3.5	78
28	Photocatalytic Degradation of Organic Dyes and Antimicrobial Activities by Polyaniline—Nitrogen-Doped Carbon Dot Nanocomposite. Nanomaterials, 2021, 11, 1128.	4.1	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.	3.5	10
30	Novel Lignin-Capped Silver Nanoparticles against Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2021, 13, 22098-22109.	8.0	67
31	Antibacterial and In Vivo Studies of a Green, One-Pot Preparation of Copper/Zinc Oxide Nanoparticle-Coated Bandages. Membranes, 2021, 11, 462.	3.0	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.	8.0	73
33	Engineering of superhydrophobic silica microparticles and thin coatings on polymeric films by ultrasound irradiation. Materials Today Chemistry, 2021, 21, 100520.	3.5	11
34	Sonochemically Prepared BSA Microspheres as Adsorbents for the Removal of Organic Pollutants from Water. Langmuir, 2021, 37, 9927-9938.	3.5	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.	8.2	10
36	Tailor made magnetic nanolights: fabrication to cancer theranostics applications. Nanoscale Advances, 2021, 3, 6762-6796.	4.6	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.	7.3	14
38	Microbial inhibition and biosensing with multifunctional carbon dots: Progress and perspectives. <i>Biotechnology Advances</i> , 2021, 53, 107843.	11.7	24
39	Effective degradation of cellulose by Microwave irradiation in alkaline solution. <i>Cellulose</i> , 2021, 28, 11275-11285.	4.9	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.	3.7	53
41	Designing Natural Polymer-Based Capsules and Spheres for Biomedical Applications—A Review. <i>Polymers</i> , 2021, 13, 4307.	4.5	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.	8.2	28
43	Sonochemical preparation of polyaniline@TiO ₂ and polyaniline@SiO ₂ for the removal of anionic and cationic dyes. <i>Ultrasonics Sonochemistry</i> , 2020, 62, 104864.	8.2	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.	4.5	19
45	Electrochemical Oxidation of Glycine with Bimetallic Nickel-Manganese Oxide Catalysts. <i>ChemElectroChem</i> , 2020, 7, 561-568.	3.4	12
46	Nickel-Rich Phosphide (Ni ₁₂ P ₅) Nanosheets Coupled with Oxidized Multiwalled Carbon Nanotubes for Oxygen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 10914-10921.	5.0	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.	4.4	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.	2.7	8
49	Bifunctional Carbon Dots—Magnetic and Fluorescent Hybrid Nanoparticles for Diagnostic Applications. <i>Nanomaterials</i> , 2020, 10, 1384.	4.1	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.	5.8	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.	4.4	14
52	Boosting Electrocatalytic Hydrogen Evolution of Nickel foam Supported Nickel Hydroxide by Ruthenium Doping. <i>ChemistrySelect</i> , 2020, 5, 9626-9634.	1.5	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.	5.0	113
54	Microwave-Synthesized Polysaccharide-Derived Carbon Dots as Therapeutic Cargoes and Toughening Agents for Elastomeric Gels. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51940-51951.	8.0	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.	4.6	86
56	Antimicrobial Properties of Polyaniline and Polypyrrole Decorated with Zinc-Doped Copper Oxide Microparticles. <i>Polymers</i> , 2020, 12, 1286.	4.5	38
57	Facile Molecular Catalysis for Isomerization of Glucose to Fructose Using KMnO ₄ in Water. <i>ChemistrySelect</i> , 2020, 5, 2913-2917.	1.5	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.	5.0	3
59	Small molecule-decorated gold nanoparticles for preparing antibiofilm fabrics. <i>Nanoscale Advances</i> , 2020, 2, 2293-2302.	4.6	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.	8.2	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.	3.1	13
62	Silica-Supported Nitrogen-Enriched Porous Benzimidazole-Linked and Triazine-Based Polymers for the Adsorption of CO ₂ . <i>Langmuir</i> , 2020, 36, 4280-4288.	3.5	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.	10.2	36
64	Ultrasonic assisted synthesis of styrylpyridinium dyes: Optical properties and DFT calculations. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105182.	8.2	5
65	Sonochemical One-Step Synthesis of Polymer-Capped Metal Oxide Nanocolloids: Antibacterial Activity and Cytotoxicity. <i>ACS Omega</i> , 2019, 4, 13631-13639.	3.5	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.	4.5	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.	2.8	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.	7.3	49
69	Sonochemically modified ovalbumin enhances enantioenrichment of some amino acids. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104603.	8.2	7
70	Silver and gold doped hydroxyapatite nanocomposites for enhanced bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 055002.	3.3	25
71	Tribological Anti-Wear and Extreme-Pressure Performance of Multifunctional Metal and Nonmetal Doped C-based Nanodots. <i>Lubricants</i> , 2019, 7, 36.	2.9	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.	1.5	29

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73	Antibacterial properties of polypyrrole-treated fabrics by ultrasound deposition. Materials Science and Engineering C, 2019, 102, 164-170.	7.3	50
74	Carbon-Dot Initiated Synthesis of Polypyrrole and Polypyrrole@CuO Micro/Nanoparticles with Enhanced Antibacterial Activity. ACS Applied Polymer Materials, 2019, 1, 1181-1186.	4.4	72
75	Cytotoxic and proinflammatory responses induced by ZnO nanoparticles in in vitro intestinal barrier. Journal of Applied Toxicology, 2019, 39, 1155-1163.	2.8	13
76	Functionalization of WS 2 Nanotubes with Fluorescent C–dots and Conductive Polythiophenes. Macromolecular Chemistry and Physics, 2019, 220, 1800476.	2.2	2
77	Hexagonal plate-like Ni–Co–Mn hydroxide nanostructures to achieve high energy density of hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 11362-11369.	10.3	110
78	Selective production of furfural from the dehydration of xylose using Zn doped CuO catalyst. Ultrasonics Sonochemistry, 2019, 56, 55-62.	8.2	30
79	AS101-Loaded PLGA–PEG Nanoparticles for Autoimmune Regulation and Chemosensitization. ACS Applied Bio Materials, 2019, 2, 2246-2251.	4.6	3
80	Zinc-Doped Copper Oxide Nanocomposites Inhibit the Growth of Pancreatic Cancer by Inducing Autophagy Through AMPK/mTOR Pathway. Frontiers in Pharmacology, 2019, 10, 319.	3.5	16
81	Antibacterial Activity against Methicillin-Resistant Staphylococcus aureus of Colloidal Polydopamine Prepared by Carbon Dot Stimulated Polymerization of Dopamine. Nanomaterials, 2019, 9, 1731.	4.1	36
82	Zn-doped CuO nanocomposites inhibit tumor growth by NF- κ B pathway cross-linked autophagy and apoptosis. Nanomedicine, 2019, 14, 131-149.	3.3	12
83	Fluorescent metal-doped carbon dots for neuronal manipulations. Ultrasonics Sonochemistry, 2019, 52, 205-213.	8.2	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. ChemCatChem, 2019, 11, 1495-1502.	3.7	22
86	Antibacterial and physical properties of a novel sonochemical-assisted Zn-CuO contact lens nano-coating. Graefes Archive for Clinical and Experimental Ophthalmology, 2019, 257, 95-100.	1.9	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. Current Medicinal Chemistry, 2019, 25, 5739-5754.	2.4	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– κ B pathway. FASEB Journal, 2019, 33, 811.7.	0.5	0
90	Ultrafine Highly Magnetic Fluorescent Fe_2O_3 /NCD Nanocomposites for Neuronal Manipulations. ACS Omega, 2018, 3, 1897-1903.	3.5	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.	5.8	10
92	Antiparasitic Ointment Based on a Biocompatible Carbon Dot Nanocomposite. <i>ACS Applied Nano Materials</i> , 2018, 1, 1784-1791.	5.0	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.	10.2	89
94	Type-I superconductivity in carbon-coated Sn nano-spheres. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 546, 6-10.	1.2	6
95	Imparting superhydrophobic and biocidal functionalities to a polymeric substrate by the sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 398-403.	8.2	10
96	One-pot Sonochemical Synthesis of Hg ²⁺ /Ag Alloy Microspheres from Liquid Mercury. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 157-165.	8.2	14
97	Proteinaceous microspheres as a delivery system for carvacrol and thymol in antibacterial applications. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 288-296.	8.2	32
98	Continuous Waste Cooking Oil Transesterification with Microwave Heating and Strontium Oxide Catalyst. <i>Chemical Engineering and Technology</i> , 2018, 41, 192-198.	1.5	11
99	Novel polymerization of aniline and pyrrole by carbon dots. <i>New Journal of Chemistry</i> , 2018, 42, 535-540.	2.8	47
100	Fabrication of poly (4,4'-oxybisbenzenamine) and its conjugated copolymers initiated by easily accessible carbon dots. <i>European Polymer Journal</i> , 2018, 109, 153-161.	5.4	17
101	Eco-Friendly and Facile Preparation of Spherical Chitin Nanoparticles. <i>ChemistrySelect</i> , 2018, 3, 10787-10791.	1.5	4
102	Formation of metallic silver and copper in non-aqueous media by ultrasonic radiation. <i>Ultrasonics Sonochemistry</i> , 2018, 47, 108-113.	8.2	9
103	Accelerated Bone Regeneration by Nitrogen-Doped Carbon Dots Functionalized with Hydroxyapatite Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19373-19385.	8.0	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.	3.5	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.	3.3	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.	3.5	35
108	Green synthesis of MoS ₂ 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.	2.8	65

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109	Enantioselective Separation of Racemic Tryptophan with Sonochemically Prepared Egg Albumin Microspheres. <i>ChemistrySelect</i> , 2018, 3, 4004-4008.	1.5	6
110	Surfactant Effect on the Thermal and Electrical Behaviors of Sonochemically Synthesized Fe and Fe ₂ O ₃ Analogues. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20755-20762.	3.1	8
111	Sonochemically-fabricated Ga@C-dots@Ga nanoparticle-aided neural growth. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1371-1379.	5.8	37
112	Nitrogen-doped carbon dots prepared from bovine serum albumin to enhance algal astaxanthin production. <i>Algal Research</i> , 2017, 23, 161-165.	4.6	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.	3.6	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.	3.8	10
115	Fluorescent Nanoparticles with Tissue-Dependent Affinity for Live Zebrafish Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18557-18565.	8.0	39
116	Solar-Heated Sustainable Biodiesel Production from Waste Cooking Oil Using a Sonochemically Deposited SrO Catalyst on Microporous Activated Carbon. <i>Energy & Fuels</i> , 2017, 31, 6228-6239.	5.1	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.	5.8	21
118	Stiffening of Metallic Gallium Particles by Entrapment of Organic Molecules. <i>Crystal Growth and Design</i> , 2017, 17, 2041-2045.	3.0	5
119	Hybrid Chitosan-Silver Nanoparticles Enzymatically Embedded on Cork Filter Material for Water Disinfection. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3599-3606.	3.7	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.	5.0	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.	10.4	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.	1.5	6
123	Solar-energy-driven conversion of biomass to bioethanol: a sustainable approach. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15486-15506.	10.3	20
124	Airborne Nanoparticle Release and Toxicological Risk from Metal-Oxide-Coated Textiles: Toward a Multiscale Safe-by-Design Approach. <i>Environmental Science & Technology</i> , 2017, 51, 9305-9317.	10.0	33
125	Solar-Light-Driven Photocatalytic Activity of Novel Sn@C-dots-Modified TiO ₂ Catalyst. <i>ChemistrySelect</i> , 2017, 2, 6683-6688.	1.5	20
126	Refractive-Index Tuning of Highly Fluorescent Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28930-28938.	8.0	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.	5.8	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.	3.1	11
129	Nonaqueous synthesis of SrO nanopowder and SrO/SiO ₂ composite and their application for biodiesel production via microwave irradiation. Renewable Energy, 2017, 101, 493-499.	8.9	40
130	Detection of human neutrophil elastase (HNE) on wound dressings as marker of inflammation. Applied Microbiology and Biotechnology, 2017, 101, 1443-1454.	3.6	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.	9.6	79
132	Sonochemical fabrication of edible fragrant antimicrobial nano coating on textiles and polypropylene cups. Ultrasonics Sonochemistry, 2017, 38, 614-621.	8.2	12
133	A New Approach to the Synthesis of Transition Metal Phosphide Nanocrystallites (MoP, MoP ₂ , Cu ₃ P) Tj ETQq1 1 0.784314 rgBT /Overlo International Journal of Nanoscience, 2017, 16, 1650030.	0.7	1
134	RAPET (Reaction under Autogenic Pressure at Elevated Temperatures) Technique Assisted Synthesis of Encapsulated CdE@C [E= S, Se and Te] Nanocrystallites. International Journal of Nanoscience, 2017, 16, 1650032.	0.7	0
135	Ga@C-dots as an antibacterial agent for the eradication of Pseudomonas aeruginosa. International Journal of Nanomedicine, 2017, Volume 12, 725-730.	6.7	29
136	DNA Microspheres Coated with Bioavailable Polymer as an Efficient Gene Expression Agent in Yeasts. Journal of Nanomaterials, 2016, 2016, 1-8.	2.7	4
137	Making the hospital a safer place by the sonochemical coating of textiles by antibacterial nanoparticles. , 2016, , 71-105.		4
138	Sonochemical co-deposition of antibacterial nanoparticles and dyes on textiles. Beilstein Journal of Nanotechnology, 2016, 7, 1-8.	2.8	29
139	In situ sonochemical synthesis of luminescent Sn@C-dots and a hybrid Sn@C-dots@Sn anode for lithium-ion batteries. RSC Advances, 2016, 6, 66256-66265.	3.6	30
140	Fabrication of a Stable and Efficient Antibacterial Nanocoating of Zn@CuO on Contact Lenses. ChemNanoMat, 2016, 2, 547-551.	2.8	20
141	Production of 1,3-propanediol from glycerol via fermentation by Saccharomyces cerevisiae. Green Chemistry, 2016, 18, 4657-4666.	9.0	39
142	A green and low-cost room temperature biodiesel production method from waste oil using egg shells as catalyst. Fuel, 2016, 182, 34-41.	6.4	132
143	Hydrophobic coating of GaAs surfaces with nanostructured ZnO. Materials Letters, 2016, 175, 101-105.	2.6	13
144	Bioethanol production from Ficus religiosa leaves using microwave irradiation. Journal of Environmental Management, 2016, 177, 20-25.	7.8	21

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145	SiO ₂ Beads Decorated with SrO Nanoparticles for Biodiesel Production from Waste Cooking Oil Using Microwave Irradiation. <i>Energy & Fuels</i> , 2016, 30, 3151-3160.	5.1	51
146	In vitro studies of polyethyleneimine coated miRNA microspheres as anticancer agents. <i>Nano Research</i> , 2016, 9, 1609-1617.	10.4	5
147	Exceptionally Active and Stable Spinel Nickel Manganese Oxide Electrocatalysts for Urea Oxidation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12176-12185.	8.0	130
148	Preparation and Catalytic Activity of Thermosensitive Ga ₂ O ₃ Nanorods. <i>Energy & Fuels</i> , 2016, 30, 7419-7427.	5.1	20
149	Ultrasonic Coating of Textiles by Antibacterial and Antibiofilm Nanoparticles. , 2016, , 967-993.		8
150	A topical antibacterial ointment made of Zn-doped copper oxide nanocomposite. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	13
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