

# Navid Rabiee

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

169  
papers

9,988  
citations

38  
h-index

98  
g-index

208  
ext. papers

20,300  
ext. citations

9.7  
avg, IF

6.09  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 169 | Cure Kinetics of Samarium-Doped Fe <sub>3</sub> O <sub>4</sub> /Epoxy Nanocomposites. <i>Journal of Composites Science</i> , <b>2022</b> , 6, 29  | 3    | 0         |
| 168 | Quantum dots against SARS-CoV-2: diagnostic and therapeutic potentials.. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2022</b> ,  | 3.5  | 2         |
| 167 | CoreShell Nanophotocatalysts: Review of Materials and Applications. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 55-86  | 5.6  | 10        |
| 166 | Dynamics of Antimicrobial Peptide Encapsulation in Carbon Nanotubes: The Role of Hydroxylation.. <i>International Journal of Nanomedicine</i> , <b>2022</b> , 17, 125-136                         | 7.3  | 1         |
| 165 | Carrageenans for tissue engineering and regenerative medicine applications: A review.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 281, 119045   | 10.3 | 6         |
| 164 | Histidine-enhanced gene delivery systems: The state of the art.. <i>Journal of Gene Medicine</i> , <b>2022</b> , e3415  | 3.5  | 3         |
| 163 | Green metal-organic frameworks (MOFs) for biomedical applications. <i>Microporous and Mesoporous Materials</i> , <b>2022</b> , 111670   | 5.3  | 7         |
| 162 | Advances in tannic acid-incorporated biomaterials: Infection treatment, regenerative medicine, cancer therapy, and biosensing. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134146    | 14.7 | 8         |
| 161 | Green products from herbal medicine wastes by subcritical water treatment. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127294  | 12.8 | 3         |
| 160 | Crystalline polysaccharides: A review. <i>Carbohydrate Polymers</i> , <b>2022</b> , 275, 118624   | 10.3 | 8         |
| 159 | Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127130            | 12.8 | 9         |
| 158 | Folic Acid-Adorned Curcumin-Loaded Iron Oxide Nanoparticles for Cervical Cancer.. <i>ACS Applied Bio Materials</i> , <b>2022</b> ,  | 4.1  | 12        |
| 157 | Silver and Gold Nanoparticles for Antimicrobial Purposes against Multi-Drug Resistance Bacteria.. <i>Materials</i> , <b>2022</b> , 15,  | 3.5  | 7         |
| 156 | Cell-Seeded Biomaterial Scaffolds: The Urgent Need for Unanswered Accelerated Angiogenesis.. <i>International Journal of Nanomedicine</i> , <b>2022</b> , 17, 1035-1068                           | 7.3  | 1         |
| 155 | Nanomaterials for photothermal and photodynamic cancer therapy. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 011317  | 17.3 | 5         |
| 154 | Doxorubicin-loaded graphene oxide nanocomposites in cancer medicine: Stimuli-responsive carriers, co-delivery and suppressing resistance.. <i>Expert Opinion on Drug Delivery</i> , <b>2022</b> , | 8    | 5         |
| 153 | Non-coding RNAs and macrophage interaction in tumor progression.. <i>Critical Reviews in Oncology/Hematology</i> , <b>2022</b> , 103680   | 7    | 3         |

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|-----|---|------|----|
| 152 | The association of clinicopathological characterizations of colorectal cancer with membrane-bound mucins genes and lncRNAs.. <i>Pathology Research and Practice</i> , <b>2022</b> , 233, 153883   | 3.4  | 2  |
| 151 | Transforming growth factor-beta (TGF- $\beta$ ) in prostate cancer: A dual function mediator?. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 206, 435-452   | 7.9  | 4  |
| 150 | Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen.. <i>Science of the Total Environment</i> , <b>2022</b> , 153902   | 10.2 | 2  |
| 149 | Synthesis of green benzamide-decorated UiO-66-NH for biomedical applications.. <i>Chemosphere</i> , <b>2022</b> , 299, 134359   | 8.4  | 0  |
| 148 | Long non-coding RNAs and exosomal lncRNAs: Potential functions in lung cancer progression, drug resistance and tumor microenvironment remodeling.. <i>Biomedicine and Pharmacotherapy</i> , <b>2022</b> , 150, 112963   | 7.5  | 2  |
| 147 | Mission impossible for cellular internalization: When porphyrin alliance with UiO-66-NH <sub>2</sub> MOF gives the cell lines a ride. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 436, 129259   | 12.8 | 0  |
| 146 | Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019: A Systematic Analysis for the Global Burden of Disease Study 2019.. <i>JAMA Oncology</i> , <b>2021</b> , | 13.4 | 51 |
| 145 | Green CoNi <sub>2</sub> S <sub>4</sub> /porphyrin decorated carbon-based nanocomposites for genetic materials detection. <i>Journal of Bioresources and Bioproducts</i> , <b>2021</b> , 6, 215-222  | 18.7 | 22 |
| 144 | Nanotechnology-Abetted Astaxanthin Formulations in Multimodel Therapeutic and Biomedical Applications.. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> ,   | 8.3  | 6  |
| 143 | Porphyrin Molecules Decorated on Metal-Organic Frameworks for Multi-Functional Biomedical Applications. <i>Biomolecules</i> , <b>2021</b> , 11,   | 5.9  | 5  |
| 142 | Metal-Organic Frameworks (MOFs) for Cancer Therapy. <i>Materials</i> , <b>2021</b> , 14,  | 3.5  | 10 |
| 141 | Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 8110-8128  | 4.1  | 9  |
| 140 | Hyperbranched polyethylenimine functionalized silica/polysulfone nanocomposite membranes for water purification.. <i>Chemosphere</i> , <b>2021</b> , 290, 133363  | 8.4  | 10 |
| 139 | Highly antifouling polymer-nanoparticle-nanoparticle/polymer hybrid membranes. <i>Science of the Total Environment</i> , <b>2021</b> , 810, 152228  | 10.2 | 6  |
| 138 | Antimicrobial Ionic Liquid-Based Materials for Biomedical Applications (Adv. Funct. Mater. 42/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170312   | 15.6 | 1  |
| 137 | Carbon Nanotubes: Smart Drug/Gene Delivery Carriers. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 1681-1706   | 7.3  | 47 |
| 136 | Bio-multifunctional noncovalent porphyrin functionalized carbon-based nanocomposite. <i>Scientific Reports</i> , <b>2021</b> , 11, 6604   | 4.9  | 17 |
| 135 | Hearing loss prevalence and years lived with disability, 1990-2019: findings from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2021</b> , 397, 996-1009   | 40   | 82 |

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|-----|---|------|----|
| 134 | Effects of strontium ions with potential antibacterial activity on in vivo bone regeneration. <i>Scientific Reports</i> , <b>2021</b> , 11, 8745  | 4.9  | 12 |
| 133 | Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 5106-5121  | 4.1  | 25 |
| 132 | Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 8706-8720  | 8.3  | 20 |
| 131 | Selenium Nanomaterials to Combat Antimicrobial Resistance. <i>Molecules</i> , <b>2021</b> , 26,   | 4.8  | 9  |
| 130 | Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 5336-5351  | 4.1  | 21 |
| 129 | Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000-2018. <i>Nature Human Behaviour</i> , <b>2021</b> , 5, 1027-1045  | 12.8 | 5  |
| 128 | Metal-Organic Frameworks-Based Nanomaterials for Drug Delivery. <i>Materials</i> , <b>2021</b> , 14,  | 3.5  | 19 |
| 127 | Diatoms with Invaluable Applications in Nanotechnology, Biotechnology, and Biomedicine: Recent Advances. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 3053-3068   | 5.5  | 28 |
| 126 | Helical Antimicrobial Peptide Encapsulation and Release from Boron Nitride Nanotubes: A Computational Study. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 4277-4288   | 7.3  | 4  |
| 125 | Green chemistry and coronavirus. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 21, 100415   | 3.9  | 15 |
| 124 | MEL zeolite nanosheet membranes for water purification: insights from molecular dynamics simulations. <i>Journal of Nanostructure in Chemistry</i> , <b>2021</b> , 1  | 7.6  | 0  |
| 123 | Polymeric Nanoparticles for Nasal Drug Delivery to the Brain: Relevance to Alzheimer's Disease. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000076   | 4.9  | 20 |
| 122 | Improved green biosynthesis of chitosan decorated Ag- and CoO-nanoparticles: A relationship between surface morphology, photocatalytic and biomedical applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 32, 102331 | 6    | 14 |
| 121 | An overview of microfluidic devices <b>2021</b> , 1-22  |      | 3  |
| 120 | Mapping routine measles vaccination in low- and middle-income countries. <i>Nature</i> , <b>2021</b> , 589, 415-419   | 50.4 | 20 |
| 119 | Microfluidic devices: Synthetic approaches <b>2021</b> , 23-36  |      | 0  |
| 118 | An environmentally friendly wound dressing based on a self-healing, extensible and compressible antibacterial hydrogel. <i>Green Chemistry</i> , <b>2021</b> , 23, 1312-1329  | 10   | 28 |
| 117 | Microarray technologies <b>2021</b> , 77-98   |      | 1  |

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|-----|---|------|----|
| 116 | Microfluidics: Organ-on-a-chip <b>2021</b> , 99-115   |      | 0  |
| 115 | Quantum dots for photocatalysis: synthesis and environmental applications. <i>Green Chemistry</i> , <b>2021</b> , 23, 4931-4954   | 10   | 22 |
| 114 | Targeted delivery of nucleic acids using microfluidic systems <b>2021</b> , 289-318   |      | 1  |
| 113 | Zn-rich (GaN) <sub>1-x</sub> (ZnO) <sub>x</sub> : a biomedical friend?. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4077-4089   | 3.6  | 17 |
| 112 | Photoluminescent carbon quantum dot/poly-L-Lysine core-shell nanoparticles: A novel candidate for gene delivery. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 61, 102118  | 4.5  | 8  |
| 111 | Nanotechnology-assisted microfluidic systems: from bench to bedside. <i>Nanomedicine</i> , <b>2021</b> , 16, 237-258  | 5.6  | 16 |
| 110 | Polymer-Coated NH <sub>2</sub> -UiO-66 for the Codelivery of DOX/pCRISPR. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 10796-10811   | 9.5  | 31 |
| 109 | Boron Nitride Nanotube as an Antimicrobial Peptide Carrier: A Theoretical Insight. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 1837-1847   | 7.3  | 13 |
| 108 | Burden of Transport-Related Injuries in the Eastern Mediterranean Region: A Systematic Analysis for the Global Burden of Disease Study 2017. <i>Archives of Iranian Medicine</i> , <b>2021</b> , 24, 512-525  | 2.4  |    |
| 107 | Antimicrobial Ionic Liquid-Based Materials for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104148  | 15.6 | 30 |
| 106 | Prevascularized Micro-/Nano-Sized Spheroid/Bead Aggregates for Vascular Tissue Engineering. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 182   | 19.5 | 10 |
| 105 | Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. <i>Lancet, The</i> , <b>2021</b> , 398, 503-521                                   | 40   | 29 |
| 104 | Green composites in bone tissue engineering. <i>Emergent Materials</i> , <b>2021</b> , 1  | 3.5  | 1  |
| 103 | Adsorption onto zeolites: molecular perspective. <i>Chemical Papers</i> , <b>2021</b> , 75, 6217  | 1.9  | 1  |
| 102 | Green carbon-based nanocomposite biomaterials through the lens of microscopes. <i>Emergent Materials</i> , <b>2021</b> , 1  | 3.5  | 2  |
| 101 | Theoretical Encapsulation of Fluorouracil (5-FU) Anti-Cancer Chemotherapy Drug into Carbon Nanotubes (CNT) and Boron Nitride Nanotubes (BNNT). <i>Molecules</i> , <b>2021</b> , 26,   | 4.8  | 9  |
| 100 | Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2021</b> , 398, 870-905 | 40   | 43 |
| 99  | Global, regional, and national burden of respiratory tract cancers and associated risk factors from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet Respiratory Medicine, the</i> , <b>2021</b> , 9, 1030-1049     | 35.1 | 15 |

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|----|---|------|-----|
| 98 | Calcium-based nanomaterials and their interrelation with chitosan: optimization for pCRISPR delivery. <i>Journal of Nanostructure in Chemistry</i> , <b>2021</b> , 1-14   | 7.6  | 4   |
| 97 | Global, regional, and national burden of bone fractures in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. <i>The Lancet Healthy Longevity</i> , <b>2021</b> , 2, e580-e592                                   | 9.5  | 24  |
| 96 | Microfluidic devices and drug delivery systems <b>2021</b> , 153-186  |      | 3   |
| 95 | Microfluidic devices for pathogen detection <b>2021</b> , 117-151   |      | 1   |
| 94 | Microfluidic devices for gene delivery systems <b>2021</b> , 187-208  |      | 2   |
| 93 | The colorful world of carotenoids: a profound insight on therapeutics and recent trends in nano delivery systems. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-40  | 11.5 | 8   |
| 92 | Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 2982-3021  | 15.1 | 922 |
| 91 | COVID-19 and picotechnology: Potential opportunities. <i>Medical Hypotheses</i> , <b>2020</b> , 144, 109917   | 3.8  | 36  |
| 90 | Global trends of hand and wrist trauma: a systematic analysis of fracture and digit amputation using the Global Burden of Disease 2017 Study. <i>Injury Prevention</i> , <b>2020</b> , 26, i115-i124  | 3.2  | 10  |
| 89 | Bioresorbable composite polymeric materials for tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 1-15  | 3    | 7   |
| 88 | Development of a novel carboxamide-based off/on switch fluorescence sensor: Hg <sup>2+</sup> , Zn <sup>2+</sup> and Cd <sup>2+</sup> . <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 11841-11852  | 3.6  | 14  |
| 87 | Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000-17: analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , <b>2020</b> , 395, 1779-1801                               | 40   | 30  |
| 86 | Biodegradable Nanopolymers in Cardiac Tissue Engineering: From Concept Towards Nanomedicine. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4205-4224   | 7.3  | 45  |
| 85 | Aptamer Hybrid Nanocomplexes as Targeting Components for Antibiotic/Gene Delivery Systems and Diagnostics: A Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4237-4256   | 7.3  | 18  |
| 84 | Biosynthesis of Copper Oxide Nanoparticles with Potential Biomedical Applications. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 3983-3999   | 7.3  | 38  |
| 83 | The burden of unintentional drowning: global, regional and national estimates of mortality from the Global Burden of Disease 2017 Study. <i>Injury Prevention</i> , <b>2020</b> , 26, i83-i95   | 3.2  | 45  |
| 82 | The global, regional, and national burden of gastro-oesophageal reflux disease in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2020</b> , 5, 561-581 | 18.8 | 29  |
| 81 | Global, Regional, and National Levels and Trends in Burden of Oral Conditions from 1990 to 2017: A Systematic Analysis for the Global Burden of Disease 2017 Study. <i>Journal of Dental Research</i> , <b>2020</b> , 99, 362-373   | 8.1  | 216 |

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|----|--|------|-----|
| 80 | Green synthesis of CuO- and CuO-NPs in assistance with high-gravity: The flowering of nanobiotechnology. <i>Nanotechnology</i> , <b>2020</b> , 31, 425101  | 3.4  | 22  |
| 79 | Stimulus-Responsive Sequential Release Systems for Drug and Gene Delivery. <i>Nano Today</i> , <b>2020</b> , 34,   | 17.9 | 65  |
| 78 | Carbosilane dendrimers: Drug and gene delivery applications. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 59, 101879   | 4.5  | 34  |
| 77 | Burgeoning Polymer Nano Blends for Improved Controlled Drug Release: A Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4363-4392  | 7.3  | 40  |
| 76 | Smart drug delivery: Capping strategies for mesoporous silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 299, 110115   | 5.3  | 52  |
| 75 | The global, regional, and national burden of cirrhosis by cause in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2020</b> , 5, 245-266                                   | 18.8 | 297 |
| 74 | Rosmarinus officinalis directed palladium nanoparticle synthesis: Investigation of potential anti-bacterial, anti-fungal and Mizoroki-Heck catalytic activities. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 1402-1411   | 4.6  | 43  |
| 73 | Epidemiology of facial fractures: incidence, prevalence and years lived with disability estimates from the Global Burden of Disease 2017 study. <i>Injury Prevention</i> , <b>2020</b> , 26, i27-i35   | 3.2  | 28  |
| 72 | Catalytic and antibacterial properties of 3-dentate carboxamide Pd/Pt complexes obtained via a benign route. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5531   | 3.1  | 4   |
| 71 | The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2020</b> , 5, 582-597 | 18.8 | 71  |
| 70 | Epidemiology of injuries from fire, heat and hot substances: global, regional and national morbidity and mortality estimates from the Global Burden of Disease 2017 study. <i>Injury Prevention</i> , <b>2020</b> , 26, i36-i45  | 3.2  | 30  |
| 69 | The Pimpled Gold Nanosphere: A Superior Candidate for Plasmonic Photothermal Therapy. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 2903-2920   | 7.3  | 13  |
| 68 | Health sector spending and spending on HIV/AIDS, tuberculosis, and malaria, and development assistance for health: progress towards Sustainable Development Goal 3. <i>Lancet, The</i> , <b>2020</b> , 396, 693-724  | 4.0  | 32  |
| 67 | High-Gravity-Assisted Green Synthesis of NiO-NPs Anchored on the Surface of Biodegradable Nanobeads with Potential Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 520-530  | 4.30 | 14  |
| 66 | Green Synthesis of ZnO NPs via : Evaluation of Potential Antioxidant, Antibacterial, Mammalian Cell Viability, H1N1 Influenza Virus Inhibition and Photocatalytic Activities. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 456-466  | 4    | 22  |
| 65 | Controlled Gene Delivery Systems: Nanomaterials and Chemical Approaches. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 553-582   | 4    | 12  |
| 64 | Rapid Electrochemical Ultra-Sensitive Evaluation and Determination of Daptomycin Based on Continuous Cyclic Voltammetry. <i>Current Pharmaceutical Analysis</i> , <b>2020</b> , 16, 181-185  | 0.6  | 2   |
| 63 | Early Diagnosis of Multiple Sclerosis Based on Optical and Electrochemical Biosensors: Comprehensive Perspective. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16, 557-569  | 1.7  | 9   |



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|----|---|------|------|
| 62 | Development of a nano biosensor for anti-gliadin detection for Celiac disease based on suspension microarrays. <i>Biomedical Physics and Engineering Express</i> , <b>2020</b> , 6, 055015  | 1.5  | 6    |
| 61 | High gravity-assisted green synthesis of ZnO nanoparticles via <i>Allium ursinum</i> : Conjoining nanochemistry to neuroscience. <i>Nano Express</i> , <b>2020</b> , 1, 020025  | 2    | 14   |
| 60 | Boron nitride-palladium nanostructured catalyst: efficient reduction of nitrobenzene derivatives in water. <i>Nano Express</i> , <b>2020</b> , 1, 030012  | 2    | 17   |
| 59 | The global, regional, and national burden of inflammatory bowel disease in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2020</b> , 5, 17-30                      | 18.8 | 448  |
| 58 | Recent advances in porphyrin-based nanocomposites for effective targeted imaging and therapy. <i>Biomaterials</i> , <b>2020</b> , 232, 119707   | 15.6 | 81   |
| 57 | Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1204-1222  | 40   | 1847 |
| 56 | High-gravity-assisted green synthesis of palladium nanoparticles: the flowering of nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 30, 102297  | 6    | 16   |
| 55 | Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1223-1249  | 40   | 1013 |
| 54 | Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950-2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1160-1203 | 40   | 228  |
| 53 | Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , <b>2020</b> , 396, 1135-1159   | 40   | 113  |
| 52 | Highly stretchable, self-adhesive, and self-healable double network hydrogel based on alginate/polyacrylamide with tunable mechanical properties. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 2062-2073   | 3.4  | 25   |
| 51 | Novel Pt-AgPO/CdS/Chitosan Nanocomposite with Enhanced Photocatalytic and Biological Activities. <i>Nanomaterials</i> , <b>2020</b> , 10,   | 5.4  | 12   |
| 50 | ZnAl nano layered double hydroxides for dual functional CRISPR/Cas9 delivery and enhanced green fluorescence protein biosensor. <i>Scientific Reports</i> , <b>2020</b> , 10, 20672   | 4.9  | 15   |
| 49 | Insight into the Self-Insertion of a Protein Inside the Boron Nitride Nanotube. <i>ACS Omega</i> , <b>2020</b> , 5, 32051-32058   | 3.3  | 58   |
| 48 | Point-of-Use Rapid Detection of SARS-CoV-2: Nanotechnology-Enabled Solutions for the COVID-19 Pandemic. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,  | 6.3  | 61   |
| 47 | Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000-17. <i>The Lancet Global Health</i> , <b>2020</b> , 8, e1038-e1060   | 13.6 | 12   |
| 46 | The flowering of Mechanically Interlocked Molecules: Novel approaches to the synthesis of rotaxanes and catenanes. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 423, 213484  | 23.2 | 14   |
| 45 | Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. <i>Injury Prevention</i> , <b>2020</b> , 26, i125-i153  | 3.2  | 12   |



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|----|---|------|-----|
| 44 | Synthesis, characterization and mechanistic study of nano chitosan tetrazole as a novel and promising platform for CRISPR delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 1-11   | 3    | 15  |
| 43 | Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000-17. <i>The Lancet Global Health</i> , <b>2020</b> , 8, e1162-e1185  | 13.6 | 27  |
| 42 | Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. <i>Injury Prevention</i> , <b>2020</b> , 26, i96-i114  | 3.2  | 39  |
| 41 | The global, regional, and national burden of stomach cancer in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2020</b> , 5, 42-54  | 18.8 | 184 |
| 40 | Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. <i>Nature Medicine</i> , <b>2020</b> , 26, 750-759  | 50.5 | 21  |
| 39 | The global, regional, and national burden of pancreatic cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2019</b> , 4, 934-947             | 18.8 | 167 |
| 38 | Global, regional, and national incidence, prevalence, and mortality of HIV, 1980-2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017. <i>Lancet HIV,the</i> , <b>2019</b> , 6, e831-e859       | 7.8  | 191 |
| 37 | Crosslinked-polyvinyl alcohol-carboxymethyl cellulose/ZnO nanocomposite fibrous mats containing erythromycin (PVA-CMC/ZnO-EM): Fabrication, characterization and in-vitro release and anti-bacterial properties. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 141, 1137-1146 | 7.9  | 39  |
| 36 | The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 1312-1324   | 25.5 | 128 |
| 35 | Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. <i>JAMA Oncology</i> , <b>2019</b> , 5, 1749-1768       | 13.4 | 888 |
| 34 | A Perspective to the Correlation Between Brain Insulin Resistance and Alzheimer: Medicinal Chemistry Approach. <i>Current Diabetes Reviews</i> , <b>2019</b> , 15, 255-258  | 2.7  | 2   |
| 33 | Natural Corrosion Inhibitors. <i>Synthesis Lectures on Mechanical Engineering</i> , <b>2019</b> , 3, 1-96   | 0.1  | 6   |
| 32 | Mathematical modeling of drug release from biodegradable polymeric microneedles. <i>Bio-Design and Manufacturing</i> , <b>2019</b> , 2, 96-107  | 4.7  | 15  |
| 31 | Stimulus-responsive polymeric nanogels as smart drug delivery systems. <i>Acta Biomaterialia</i> , <b>2019</b> , 92, 1-18   | 10.8 | 149 |
| 30 | A Novel Graphene-Based Nanosensor for Detection of Ethanol Gas <b>2019</b> , 43, 2227-2237  |      | 1   |
| 29 | Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995-2050. <i>Lancet, The</i> , <b>2019</b> , 393, 2233-2260   | 40   | 158 |
| 28 | Magnetic Stimuli-Responsive Cobalt Ferrite Nanoparticle as Theranostic agents for Targeted Delivery. <i>Current Nanomaterials</i> , <b>2019</b> , 3, 160-167  | 1.3  |     |
| 27 | Three-dimensional graphene foam as a conductive scaffold for cardiac tissue engineering. <i>Journal of Biomaterials Applications</i> , <b>2019</b> , 34, 74-85  | 2.9  | 25  |

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|----|---|-------|-----|
| 26 | Recent Advancements in aptamer-bioconjugates: Sharpening Stones for breast and prostate cancers targeting. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 53, 101146  | 4.5   | 18  |
| 25 | The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017. <i>Lancet Oncology</i> , <b>2019</b> , 20, 1211-1225  | 21.7  | 107 |
| 24 | Bioactive Materials: A Comprehensive Review on Interactions with Biological Microenvironment Based on the Immune Response. <i>Journal of Bionic Engineering</i> , <b>2019</b> , 16, 563-581   | 2.7   | 27  |
| 23 | Penetration Depth in Nanoparticles Incorporated Radiofrequency Hyperthermia into the Tissue: Comprehensive Study with Histology and Pathology Observations. <i>IET Nanobiotechnology</i> , <b>2019</b> , 13, 634-639  | 2     | 8   |
| 22 | The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2019</b> , 4, 913-933 | 18.8  | 144 |
| 21 | Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , <b>2019</b> , 574, 353-358   | 358.4 | 87  |
| 20 | A review of accelerated wound healing approaches: biomaterial- assisted tissue remodeling. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2019</b> , 30, 120   | 4.5   | 41  |
| 19 | Microfluidic devices with gold thin film channels for chemical and biomedical applications: a review. <i>Biomedical Microdevices</i> , <b>2019</b> , 21, 93   | 3.7   | 14  |
| 18 | Global Burden of Breast Cancer and Attributable Risk Factors in 195 Countries and Territories, from 1990 to 2017: Results from the Global Burden of Disease Study 2017. <i>SSRN Electronic Journal</i> , <b>2019</b> ,  | 1     | 3   |
| 17 | Application of Aptamer-based Hybrid Molecules in Early Diagnosis and Treatment of Diabetes Mellitus: From the Concepts Towards the Future. <i>Current Diabetes Reviews</i> , <b>2019</b> , 15, 309-313  | 2.7   | 8   |
| 16 | Reduced graphene oxide: osteogenic potential for bone tissue engineering. <i>IET Nanobiotechnology</i> , <b>2019</b> , 13, 720-725  | 2     | 12  |
| 15 | Electrocardiographic Changes in Children With Acute Opioid Poisoning: A Cross-Sectional Study. <i>Pediatric Emergency Care</i> , <b>2019</b> , 37,  | 1.4   | 2   |
| 14 | Investigating the structural chemistry of organotin(IV) compounds: recent advances. <i>Reviews in Inorganic Chemistry</i> , <b>2019</b> , 39, 13-45   | 2.4   | 15  |
| 13 | Bacterial components as naturally inspired nano-carriers for drug/gene delivery and immunization: Set the bugs to work?. <i>Biotechnology Advances</i> , <b>2018</b> , 36, 968-985  | 17.8  | 69  |
| 12 | Early diagnosis of disease using microbead array technology: A review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1032, 1-17   | 6.6   | 40  |
| 11 | Multiplexed microarrays based on optically encoded microbeads. <i>Biomedical Microdevices</i> , <b>2018</b> , 20, 66  | 3.7   | 20  |
| 10 | Optical assays based on colloidal inorganic nanoparticles. <i>Analyst</i> , <b>2018</b> , 143, 3249-3283  | 5     | 41  |
| 9  | Biocompatibility and Neuroprotective Potential of Encapsulated S-Allyl-L-Cysteine into PCL-based Nanocarrier. <i>Drug Delivery Letters</i> , <b>2018</b> , 8, 242-247   | 0.8   | 1   |

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|---|--|------|-----|
| 8 | Advances in Nanomaterials for Drug Delivery: Polymeric, nanocarbon and bio-inspired <b>2018</b> ,  |      | 3   |
| 7 | Carbon-based nanomaterials <b>2018</b> ,   |      | 2   |
| 6 | Biofunctionalized microbead arrays for early diagnosis of breast cancer. <i>Biomedical Physics and Engineering Express</i> , <b>2018</b> , 4, 065028 | 1.5  | 7   |
| 5 | Point-of-care microfluidic devices for pathogen detection. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 112-128                         | 1.8  | 179 |
| 4 | Innovative Educational Technology Programs in Low- and Middle-Income Countries. <i>Childhood Education</i> , <b>2017</b> , 93, 364-367               | 0.3  | 1   |
| 3 | Stimuli-Responsive Polymers: Nano-dimension  |      | 2   |
| 2 | Stimuli-responsive polymers: introduction  |      | 2   |
| 1 | Electrically Conductive Carbon-based (Bio)-nanomaterials for Cardiac Tissue Engineering. <i>Bioengineering and Translational Medicine</i> ,          | 14.8 | 3   |