

Waqar Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,251
citations

304602

22
h-index

223716

46
g-index

84
all docs

84
docs citations

84
times ranked

2487
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Proliposome powder or tablets for generating inhalable liposomes using a medical nebulizer. <i>Journal of Pharmaceutical Investigation</i> , 2021, 51, 61-73. | 2.7 | 16 |
| 2 | Spray-dried alginate microparticles for potential intranasal delivery of ropinirole hydrochloride: development, characterization and histopathological evaluation. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 290-299. | 1.1 | 27 |
| 3 | Biocompatible superparamagnetic core-shell nanoparticles for potential use in hyperthermia-enabled drug release and as an enhanced contrast agent. <i>Nanotechnology</i> , 2020, 31, 375102. | 1.3 | 39 |
| 4 | Dental implants—the preparation of enamel, dentin, and bone by machining. , 2020, , 369-391. | | 0 |
| 5 | Carbon nanotubes drug delivery system for cancer treatment. , 2020, , 313-332. | | 11 |
| 6 | Advances in multi-functional superparamagnetic iron oxide nanoparticles in magnetic fluid hyperthermia for medical applications. , 2020, , 333-345. | | 1 |
| 7 | Taxane anticancer formulations: challenges and achievements. , 2020, , 347-358. | | 0 |
| 8 | Liposome mediated-CYP1A1 gene silencing nanomedicine prepared using lipid film-coated proliposomes as a potential treatment strategy of lung cancer. <i>International Journal of Pharmaceutics</i> , 2019, 566, 185-193. | 2.6 | 16 |
| 9 | Proliposome tablets manufactured using a slurry-driven lipid-enriched powders: Development, characterization and stability evaluation. <i>International Journal of Pharmaceutics</i> , 2018, 538, 250-262. | 2.6 | 19 |
| 10 | Tablet fragmentation without a disintegrant: A novel design approach for accelerating disintegration and drug release from 3D printed cellulosic tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 191-199. | 1.9 | 149 |
| 11 | Ethanol-based proliposome delivery systems of paclitaxel for in vitro application against brain cancer cells. <i>Journal of Liposome Research</i> , 2018, 28, 74-85. | 1.5 | 20 |
| 12 | Proliposome Powders for the Generation of Liposomes: the Influence of Carbohydrate Carrier and Separation Conditions on Crystallinity and Entrapment of a Model Asthma Steroid. <i>AAPS PharmSciTech</i> , 2018, 19, 262-274. | 1.5 | 17 |
| 13 | 3D Printing of Pharmaceuticals. , 2018, , 467-498. | | 5 |
| 14 | Channelled tablets: An innovative approach to accelerating drug release from 3D printed tablets. <i>Journal of Controlled Release</i> , 2018, 269, 355-363. | 4.8 | 267 |
| 15 | Surface engineering of dental tools with diamond for enhanced life and performance. , 2018, , 251-288. | | 2 |
| 16 | Spray-Dried Proliposome Microparticles for High-Performance Aerosol Delivery Using a Monodose Powder Inhaler. <i>AAPS PharmSciTech</i> , 2018, 19, 2434-2448. | 1.5 | 12 |
| 17 | VFCVD diamond-coated cutting tools for micro-machining titanium alloy Ti6Al4V. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 2881-2918. | 1.5 | 6 |
| 18 | Tunable Self-Assembled Peptide Structure: A Novel Approach to Design Dual-Use Biological Agents. <i>Materials Today: Proceedings</i> , 2017, 4, 32-40. | 0.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Collective Behavior of Self-propelled Particles in the presence of moving obstacles. Materials Today: Proceedings, 2017, 4, 65-74. | 0.9 | 6 |
| 20 | Accelerating Cell Dynamics Simulations of Soft Materials using CUDA-GPU. Materials Today: Proceedings, 2017, 4, 75-86. | 0.9 | 1 |
| 21 | Implementation of Crank-Nicolson scheme in cell dynamics simulation for diblock copolymers. Materials Today: Proceedings, 2017, 4, 41-49. | 0.9 | 1 |
| 22 | Novel Multifunctional Carbon Nanotube Containing Silver and Iron Oxide Nanoparticles for Antimicrobial Applications in Water Treatment. Materials Today: Proceedings, 2017, 4, 57-64. | 0.9 | 31 |
| 23 | Design Characteristics of Inhaler Devices Used for Pulmonary Delivery of Medical Aerosols. , 2016, , 573-591. | | 6 |
| 24 | Emergence of 3D Printed Dosage Forms: Opportunities and Challenges. Pharmaceutical Research, 2016, 33, 1817-1832. | 1.7 | 415 |
| 25 | Novel paclitaxel formulations solubilized by parenteral nutrition nanoemulsions for application against glioma cell lines. International Journal of Pharmaceutics, 2016, 506, 102-109. | 2.6 | 44 |
| 26 | Adaptation of pharmaceutical excipients to FDM 3D printing for the fabrication of patient-tailored immediate release tablets. International Journal of Pharmaceutics, 2016, 513, 659-668. | 2.6 | 248 |
| 27 | A simple approach to predict the stability of phospholipid vesicles to nebulization without performing aerosolization studies. International Journal of Pharmaceutics, 2016, 502, 18-27. | 2.6 | 19 |
| 28 | A review of exposure and toxicological aspects of carbon nanotubes, and as additives to fire retardants in polymers. Critical Reviews in Toxicology, 2016, 46, 74-95. | 1.9 | 11 |
| 29 | Characteristic of silicon doped diamond like carbon thin films on surface properties and human serum albumin adsorption. Diamond and Related Materials, 2015, 55, 108-116. | 1.8 | 25 |
| 30 | Proliposome powders prepared using a slurry method for the generation of beclometasone dipropionate liposomes. International Journal of Pharmaceutics, 2015, 496, 342-350. | 2.6 | 43 |
| 31 | Some approaches to large-scale manufacturing of liposomes. , 2015, , 402-417. | | 5 |
| 32 | A facile approach to manufacturing non-ionic surfactant nanodispersions using proniosome technology and high-pressure homogenization. Journal of Liposome Research, 2015, 25, 32-37. | 1.5 | 13 |
| 33 | Nanotechnology For Tooth Regeneration. Faculty Dental Journal, 2014, 5, 32-37. | 0.0 | 1 |
| 34 | Thymopentin Nanoparticles Engineered with High Loading Efficiency, Improved Pharmacokinetic Properties, and Enhanced Immunostimulating Effect Using Soybean Phospholipid and PHBHHx Polymer. Molecular Pharmaceutics, 2014, 11, 3371-3377. | 2.3 | 24 |
| 35 | Stability of parenteral nanoemulsions loaded with paclitaxel: the influence of lipid phase composition, drug concentration and storage temperature. Pharmaceutical Development and Technology, 2014, 19, 999-1004. | 1.1 | 24 |
| 36 | Chemical Vapour Deposition of Diamond for Dental Tools and Burs. SpringerBriefs in Materials, 2014, , . | 0.1 | 3 |

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|----|--|-----|-----------|
| 37 | Monitoring Dental-Unit-Water-Line Output Water by Current In-office Test Kits. <i>Current Microbiology</i> , 2014, 69, 135-142. | 1.0 | 5 |
| 38 | Low Resistance Polycrystalline Diamond Thin Films Deposited by Hot Filament Chemical Vapour Deposition. <i>Bulletin of Materials Science</i> , 2014, 37, 579-583. | 0.8 | 0 |
| 39 | Blood flow through sutured and coupled microvascular anastomoses: A comparative computational study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2014, 67, 951-959. | 0.5 | 30 |
| 40 | The effects of suspension particle size on the performance of air-jet, ultrasonic and vibrating-mesh nebulisers. <i>International Journal of Pharmaceutics</i> , 2014, 461, 234-241. | 2.6 | 39 |
| 41 | Dental Tools, Human Tooth and Environment. <i>SpringerBriefs in Materials</i> , 2014, , 19-49. | 0.1 | 1 |
| 42 | Diamond Synthesis, Properties and Applications. <i>SpringerBriefs in Materials</i> , 2014, , 1-18. | 0.1 | 0 |
| 43 | Diamond Deposition on Tungsten Carbide Burs Using VFCVD. <i>SpringerBriefs in Materials</i> , 2014, , 97-107. | 0.1 | 0 |
| 44 | Controlling Structure and Morphology. <i>SpringerBriefs in Materials</i> , 2014, , 109-121. | 0.1 | 0 |
| 45 | VFCVD Diamond Dental Burs for Improved Performance. <i>SpringerBriefs in Materials</i> , 2014, , 123-140. | 0.1 | 0 |
| 46 | Diamond Deposition onto Wires and Microdrills Using VFCVD. <i>SpringerBriefs in Materials</i> , 2014, , 83-95. | 0.1 | 0 |
| 47 | A study of the effects of sodium halides on the performance of air-jet and vibrating-mesh nebulizers. <i>International Journal of Pharmaceutics</i> , 2013, 456, 520-527. | 2.6 | 36 |
| 48 | Comparison between FTIR and XPS characterization of amino acid glycine adsorption onto diamond-like carbon (DLC) and silicon doped DLC. <i>Applied Surface Science</i> , 2013, 273, 507-514. | 3.1 | 122 |
| 49 | Air-jet and vibrating-mesh nebulization of niosomes generated using a particulate-based proniosome technology. <i>International Journal of Pharmaceutics</i> , 2013, 444, 193-199. | 2.6 | 60 |
| 50 | Liposome-based carrier systems and devices used for pulmonary drug delivery. , 2013, , 395-443. | | 23 |
| 51 | A Study of Size, Microscopic Morphology, and Dispersion Mechanism of Structures Generated on Hydration of Proliposomes. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 1121-1126. | 1.3 | 20 |
| 52 | Nebulization of ultradeformable liposomes: The influence of aerosolization mechanism and formulation excipients. <i>International Journal of Pharmaceutics</i> , 2012, 436, 519-526. | 2.6 | 40 |
| 53 | Laser Diffraction and Electron Microscopy Studies on Inhalable Liposomes Generated from Particulate-Based Proliposomes Within a Medical Nebulizer. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6693-6699. | 0.9 | 9 |
| 54 | Thermal Synthesis of Tetragonal Zirconia Nanopowders. <i>Advanced Science Letters</i> , 2012, 7, 35-38. | 0.2 | 2 |

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|----|---|-----|-----------|
| 55 | Synthesis of MgO Nanopowder via Non Aqueous Sol-Gel Method. Advanced Science Letters, 2012, 7, 27-29. | 0.2 | 48 |
| 56 | Synthesis and Characterization of MnO ₂ and CdO Nanoparticles. Advanced Science Letters, 2012, 7, 39-42. | 0.2 | 7 |
| 57 | Vibrating-mesh nebulization of liposomes generated using an ethanol-based proliposome technology. Journal of Liposome Research, 2011, 21, 173-180. | 1.5 | 38 |
| 58 | Gait recognition in children under special circumstances. , 2011, , . | | 0 |
| 59 | Performance of gait recognition in children's walking compared to adults. , 2011, , . | | 1 |
| 60 | Comparative dynamic response of mesomachine tool structures. International Journal of Computational Materials Science and Surface Engineering, 2009, 2, 18. | 0.2 | 1 |
| 61 | Diamond coated microtools for machining compact bone. International Journal of Nano and Biomaterials, 2009, 2, 505. | 0.1 | 1 |
| 62 | A multifunctional high-speed spindle for micromachining medical materials. International Journal of Nano and Biomaterials, 2009, 2, 520. | 0.1 | 0 |
| 63 | Impact of surface roughness of diamond coatings on the cutting performance when dry machining of graphite. International Journal of Manufacturing Technology and Management, 2008, 15, 121. | 0.1 | 3 |
| 64 | Diamond film deposition on M2 steel using TiN interlayers. International Journal of Nano and Biomaterials, 2008, 1, 351. | 0.1 | 0 |
| 65 | Surface Engineering of Cu _{0.75} Ga _{0.25} Se ₂ Thin Films. Journal of Nano Research, 2008, 2, 69-76. | 0.8 | 2 |
| 66 | Dental drilling in severe and demanding environments. International Journal of Nano and Biomaterials, 2007, 1, 165. | 0.1 | 2 |
| 67 | Dynamic response of a tetrahedral nanomachining machine tool structure. International Journal of Nanomanufacturing, 2006, 1, 26. | 0.3 | 7 |
| 68 | Comparative Investigation of Smooth Polycrystalline Diamond Films on Dental Burs by Chemical Vapor Deposition. Journal of Materials Engineering and Performance, 2006, 15, 195-200. | 1.2 | 4 |
| 69 | CVD Diamond Technology for Microtools, NEMS, and MEMS Applications. , 2005, , 187-220. | | 1 |
| 70 | Nanocrystalline Diamond. , 2005, , 339-358. | | 0 |
| 71 | Performance and characterisation of CVD diamond coated, sintered diamond and WC-Co cutting tools for dental and micromachining applications. Thin Solid Films, 2004, 447-448, 455-461. | 0.8 | 67 |
| 72 | Chemical vapour deposition of diamond films onto tungsten carbide dental burs. Tribology International, 2004, 37, 957-964. | 3.0 | 16 |

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|----|--|-----|-----------|
| 73 | Chemical Vapor Deposition of Diamond Coatings onto Dental Burrs. Journal of Chemical Education, 2003, 80, 636. | 1.1 | 6 |
| 74 | Performance and characterisation of CVD diamond coated, sintered diamond and WC-Co cutting tools for dental and micromachining applications. Thin Solid Films, 2003, 447-448, 455-455. | 0.8 | 0 |
| 75 | Application of diamond coatings onto small dental tools. Diamond and Related Materials, 2002, 11, 731-735. | 1.8 | 54 |
| 76 | Ion implantation and in situ doping of silicon. Materials Chemistry and Physics, 1994, 37, 289-294. | 2.0 | 4 |
| 77 | Mass spectral analysis of CVD processes. Surface and Coatings Technology, 1993, 57, 91-96. | 2.2 | 2 |
| 78 | Oxidation of silicon using trichloroethane-O ₂ and HCl-O ₂ mixtures. Thin Solid Films, 1993, 223, 129-134. | 0.8 | 1 |
| 79 | An investigation of LPCVD and PECVD of in situ doped polycrystalline silicon for VLSI. Advanced Materials for Optics and Electronics, 1992, 1, 255-259. | 0.5 | 5 |
| 80 | LPCVD of in-situ doped polycrystalline silicon at high growth rates. Journal of Crystal Growth, 1986, 79, 394-398. | 0.7 | 22 |
| 81 | Some recent trends in the preparation of thin layers by low pressure chemical vapour deposition. Vacuum, 1984, 34, 979-986. | 1.6 | 12 |