

Waqar Ahmed

List of Publications by Year in descending order

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116
papers

3,137
citations

159585

30
h-index

182427

51
g-index

122
all docs

122
docs citations

122
times ranked

3331
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of 3D Printed Dosage Forms: Opportunities and Challenges. <i>Pharmaceutical Research</i> , 2016, 33, 1817-1832.	3.5	415
2	Understanding consumers' behavior intentions towards dealing with the plastic waste: Perspective of a developing country. <i>Resources, Conservation and Recycling</i> , 2019, 142, 49-58.	10.8	256
3	Adaptation of pharmaceutical excipients to FDM 3D printing for the fabrication of patient-tailored immediate release tablets. <i>International Journal of Pharmaceutics</i> , 2016, 513, 659-668.	5.2	248
4	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.	6.1	122
5	Developing and analyzing framework for understanding the effects of GSCM on green and economic performance. <i>Management of Environmental Quality</i> , 2018, 29, 740-758.	4.3	89
6	Performance and characterisation of CVD diamond coated, sintered diamond and WC-Co cutting tools for dental and micromachining applications. <i>Thin Solid Films</i> , 2004, 447-448, 455-461.	1.8	67
7	Exploring firm performance by institutional pressures driven green supply chain management practices. <i>Smart and Sustainable Built Environment</i> , 2019, 8, 415-437.	4.0	61
8	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.	5.2	60
9	PEGylated graphene oxide for tumor-targeted delivery of paclitaxel. <i>Nanomedicine</i> , 2015, 10, 1247-1262.	3.3	59
10	Analyzing the impact of environmental collaboration among supply chain stakeholders on a firm's sustainable performance. <i>Operations Management Research</i> , 2020, 13, 4-21.	8.5	59
11	Rational design, synthesis and biological screening of triazine-triazolopyrimidine hybrids as multitarget anti-Alzheimer agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 36-51.	5.5	55
12	Application of diamond coatings onto small dental tools. <i>Diamond and Related Materials</i> , 2002, 11, 731-735.	3.9	54
13	Managing plastic waste disposal by assessing consumers' recycling behavior: the case of a densely populated developing country. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33054-33066.	5.3	53
14	Impact of lean and agile strategies on supply chain risk management. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 33-56.	3.8	50
15	Synthesis of MgO Nanopowder via Non Aqueous Sol-Gel Method. <i>Advanced Science Letters</i> , 2012, 7, 27-29.	0.2	48
16	Experimental Analysis of Engine Performance and Exhaust Pollutant on a Single-Cylinder Diesel Engine Operated Using Moringa Oleifera Biodiesel. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7071.	2.5	47
17	Brønsted acid-catalyzed metal- and solvent-free quinoline synthesis from <i>N</i> -alkyl anilines and alkynes or alkenes. <i>Green Chemistry</i> , 2018, 20, 261-265.	9.0	46
18	Novel paclitaxel formulations solubilized by parenteral nutrition nanoemulsions for application against glioma cell lines. <i>International Journal of Pharmaceutics</i> , 2016, 506, 102-109.	5.2	44

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19	Proliposome powders prepared using a slurry method for the generation of beclometasone dipropionate liposomes. <i>International Journal of Pharmaceutics</i> , 2015, 496, 342-350.	5.2	43
20	Consumer behaviour towards willingness to pay for Halal products. <i>British Food Journal</i> , 2019, 121, 492-504.	2.9	43
21	Machine Learning Based Energy Management Model for Smart Grid and Renewable Energy Districts. <i>IEEE Access</i> , 2020, 8, 185059-185078.	4.2	41
22	Nebulization of ultradeformable liposomes: The influence of aerosolization mechanism and formulation excipients. <i>International Journal of Pharmaceutics</i> , 2012, 436, 519-526.	5.2	40
23	Examining the impact of institutional pressures and green supply chain management practices on firm performance. <i>Management of Environmental Quality</i> , 2019, 31, 1261-1283.	4.3	40
24	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.	5.2	39
25	Novel Copper-Zinc-Manganese Ternary Metal Oxide Nanocomposite as Heterogeneous Catalyst for Glucose Sensor and Antibacterial Activity. <i>Antioxidants</i> , 2022, 11, 1064.	5.1	39
26	Vibrating-mesh nebulization of liposomes generated using an ethanol-based proliposome technology. <i>Journal of Liposome Research</i> , 2011, 21, 173-180.	3.3	38
27	Steering firm performance through innovative capabilities: A contingency approach to innovation management. <i>Technology in Society</i> , 2020, 63, 101385.	9.4	38
28	Empirical evaluation of the antecedents of energy-efficient home appliances: application of extended theory of planned behavior. <i>Management of Environmental Quality</i> , 2020, 31, 915-930.	4.3	37
29	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.	5.2	36
30	Developing model to analyze factors affecting firms'™ agility and competitive capability. <i>Journal of Modelling in Management</i> , 2019, 14, 476-491.	1.9	33
31	Novel Multifunctional Carbon Nanotube Containing Silver and Iron Oxide Nanoparticles for Antimicrobial Applications in Water Treatment. <i>Materials Today: Proceedings</i> , 2017, 4, 57-64.	1.8	31
32	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.	1.0	30
33	Designing small organic non-fullerene acceptor molecules with difluorobenzene or quinoline core and dithiophene donor moiety through density functional theory. <i>Scientific Reports</i> , 2021, 11, 19683.	3.3	29
34	Drivers of supply chain transparency and its effects on performance measures in the automotive industry: case of a developing country. <i>International Journal of Services and Operations Management</i> , 2019, 33, 159.	0.2	26
35	Characteristic of silicon doped diamond like carbon thin films on surface properties and human serum albumin adsorption. <i>Diamond and Related Materials</i> , 2015, 55, 108-116.	3.9	25
36	Thymopentin Nanoparticles Engineered with High Loading Efficiency, Improved Pharmacokinetic Properties, and Enhanced Immunostimulating Effect Using Soybean Phospholipid and PHBHHx Polymer. <i>Molecular Pharmaceutics</i> , 2014, 11, 3371-3377.	4.6	24

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37	Stability of parenteral nanoemulsions loaded with paclitaxel: the influence of lipid phase composition, drug concentration and storage temperature. <i>Pharmaceutical Development and Technology</i> , 2014, 19, 999-1004.	2.4	24
38	Liposome-based carrier systems and devices used for pulmonary drug delivery. , 2013, , 395-443.		23
39	The influence of greening the suppliers on environmental and economic performance. <i>International Journal of Business Performance and Supply Chain Modelling</i> , 2020, 11, 69.	0.3	23
40	LPCVD of in-situ doped polycrystalline silicon at high growth rates. <i>Journal of Crystal Growth</i> , 1986, 79, 394-398.	1.5	22
41	Creating and retaining customers: perspective from Pakistani small and medium retail stores. <i>International Journal of Retail and Distribution Management</i> , 2019, 47, 350-367.	4.7	22
42	The effect of logistics service quality on customer loyalty: case of logistics service industry. <i>South Asian Journal of Business Studies</i> , 2019, 9, 43-61.	1.3	22
43	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.	2.4	20
44	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.	3.3	20
45	Understanding the impact of supply-side decisions and practices on supply risk management. <i>Benchmarking</i> , 2020, 27, 1769-1792.	4.6	20
46	Regio- and stereoselective functionalization of alkenes with emphasis on mechanistic insight and sustainability concerns. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101260.	5.2	20
47	A simple approach to predict the stability of phospholipid vesicles to nebulization without performing aerosolization studies. <i>International Journal of Pharmaceutics</i> , 2016, 502, 18-27.	5.2	19
48	Assessing channel quality to measure customers' outcome in online purchasing. <i>International Journal of Electronic Customer Relationship Management</i> , 2018, 11, 179.	0.2	19
49	Potential of Utilization of Renewable Energy Technologies in Gulf Countries. <i>Sustainability</i> , 2021, 13, 10261.	3.2	18
50	Direct Carbohydroxylation of Arylalkenes with Allylic Alcohols: Cooperative Catalysis of Copper, Silver, and a Brønsted Acid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2495-2499.	13.8	17
51	Understanding the influence of lean and agile strategies on creating firms' supply chain risk management capabilities. <i>Competitiveness Review</i> , 2021, 31, 810-831.	2.6	17
52	Chemical vapour deposition of diamond films onto tungsten carbide dental burs. <i>Tribology International</i> , 2004, 37, 957-964.	5.9	16
53	Impact of technology-based integrated responsive supply chain on operational performance: a case of a volatile market. <i>International Journal of Logistics Systems and Management</i> , 2020, 35, 387.	0.2	16
54	Developing and analyzing framework to manage resources in humanitarian logistics. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2019, 9, 270-291.	2.8	15

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55	A comparison study of diamond adhesion on ductile metals. <i>Thin Solid Films</i> , 2000, 377-378, 193-197.	1.8	13
56	A facile approach to manufacturing non-ionic surfactant nanodispersions using proniosome technology and high-pressure homogenization. <i>Journal of Liposome Research</i> , 2015, 25, 32-37.	3.3	13
57	Understanding dynamic distribution capabilities to enhance supply chain performance: a dynamic capability view. <i>Benchmarking</i> , 2022, 29, 2822-2841.	4.6	13
58	Understanding the impact of Green supply chain management practices on operational competitive capabilities. <i>TQM Journal</i> , 2023, 35, 796-815.	3.3	13
59	Some recent trends in the preparation of thin layers by low pressure chemical vapour deposition. <i>Vacuum</i> , 1984, 34, 979-986.	3.5	12
60	Understanding alignment between lean and agile strategies using Triple-A model. <i>International Journal of Productivity and Performance Management</i> , 2022, 71, 1810-1828.	3.7	12
61	A review of exposure and toxicological aspects of carbon nanotubes, and as additives to fire retardants in polymers. <i>Critical Reviews in Toxicology</i> , 2016, 46, 74-95.	3.9	11
62	The role of consumer willingness to pay for halal certification in Pakistan. <i>Journal of Islamic Marketing</i> , 2019, 10, 1230-1244.	3.5	11
63	New amyloid beta-disaggregating agents: synthesis, pharmacological evaluation, crystal structure and molecular docking of <i>N</i> -(4-((7-chloroquinolin-4-yl)oxy)-3-ethoxybenzyl)amines. <i>MedChemComm</i> , 2018, 9, 1891-1904.	3.4	10
64	Spatial and temporal variations of nutrients and chlorophyll a in the Indus River and its deltaic creeks and coastal waters (Northwest Indian Ocean, Pakistan). <i>Journal of Marine Systems</i> , 2021, 218, 103525.	2.1	10
65	Understanding intentions to reduce energy consumption at the workplace by the employees: case of a developing country. <i>Management of Environmental Quality</i> , 2022, 33, 166-184.	4.3	10
66	Analysing supply chain risk management capabilities through collaborative and integrative approach. <i>International Journal of Business Process Integration and Management</i> , 2020, 10, 29.	0.0	10
67	Understanding influence of supply chain competencies when developing Triple-A. <i>Benchmarking</i> , 2022, 29, 2757-2779.	4.6	10
68	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
69	Tunable Self-Assembled Peptide Structure: A Novel Approach to Design Dual-Use Biological Agents. <i>Materials Today: Proceedings</i> , 2017, 4, 32-40.	1.8	8
70	The Indus Delta "Catchment, River, Coast, and People. , 2019, , 213-232.		8
71	Synthesis and Characterization of MnO ₂ and CdO Nanoparticles. <i>Advanced Science Letters</i> , 2012, 7, 39-42.	0.2	7
72	Understanding influence of supply chain collaboration on innovation-based market performance. <i>International Journal of Innovation Science</i> , 2022, 14, 376-395.	2.7	7

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73	Factors influencing supply chain agility to enhance export performance: case of export-oriented textile sector. <i>Review of International Business and Strategy</i> , 2023, 33, 301-316.	3.3	7
74	Design Characteristics of Inhaler Devices Used for Pulmonary Delivery of Medical Aerosols. , 2016, , 573-591.		6
75	Collective Behavior of Self-propelled Particles in the presence of moving obstacles. <i>Materials Today: Proceedings</i> , 2017, 4, 65-74.	1.8	6
76	Cooperative Catalysis of Copper, Silver, and Brønsted Acid for Three-Component Carboamination of Arylalkenes with Allylic Alcohols and Nitriles. <i>ChemCatChem</i> , 2020, 12, 5200-5208.	3.7	6
77	Heat Transfer and Hydrodynamic Properties Using Different Metal-Oxide Nanostructures in Horizontal Concentric Annular Tube: An Optimization Study. <i>Nanomaterials</i> , 2021, 11, 1979.	4.1	6
78	An investigation of LPCVD and PECVD of in situ doped polycrystalline silicon for VLSI. <i>Advanced Materials for Optics and Electronics</i> , 1992, 1, 255-259.	0.4	5
79	Monitoring Dental-Unit-Water-Line Output Water by Current In-office Test Kits. <i>Current Microbiology</i> , 2014, 69, 135-142.	2.2	5
80	Some approaches to large-scale manufacturing of liposomes. , 2015, , 402-417.		5
81	Evaluation on Enhanced Heat Transfer Using Sonochemically Synthesized Stable ZnO-Eg@Dw Nanofluids in Horizontal Calibrated Circular Flow Passage. <i>Energies</i> , 2021, 14, 2400.	3.1	5
82	Ion implantation and in situ doping of silicon. <i>Materials Chemistry and Physics</i> , 1994, 37, 289-294.	4.0	4
83	Comparative Investigation of Smooth Polycrystalline Diamond Films on Dental Burs by Chemical Vapor Deposition. <i>Journal of Materials Engineering and Performance</i> , 2006, 15, 195-200.	2.5	4
84	Experimental evaluation and numerical verification of enhanced heat transportation by using ultrasonic assisted nanofluids in a closed horizontal circular passage. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101026.	5.7	4
85	A Decision Support System for Logistics Performance Evaluation of Courier Company. , 2020, , .		4
86	Understanding influence of supply chain relationships in retail channels on risk management. <i>Decision</i> , 2022, 49, 153-176.	1.5	4
87	Impact of surface roughness of diamond coatings on the cutting performance when dry machining of graphite. <i>International Journal of Manufacturing Technology and Management</i> , 2008, 15, 121.	0.1	3
88	Introduction to Nanotechnology. , 2013, , 3-16.		3
89	A framework for measuring customer loyalty for 3PL industry: a case of evolving market. <i>Benchmarking</i> , 2021, 28, 2023-2046.	4.6	3
90	Best Practices of Social Media for the Clinician. <i>Current Cardiology Reviews</i> , 2021, 17, 118-121.	1.5	3

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91	Do Indus Delta mangroves and Indus River contribute to organic carbon in deltaic creeks and coastal waters (Northwest Indian Ocean, Pakistan)?. Continental Shelf Research, 2021, 231, 104601.	1.8	3
92	Mass spectral analysis of CVD processes. Surface and Coatings Technology, 1993, 57, 91-96.	4.8	2
93	Surface Engineering of $\text{Cu}_{1-x}\text{Ga}_x\text{Se}_2$ Thin Films. Journal of Nano Research, 2008, 2, 69-76.	0.8	2
94	Nanocoatings in medicine. , 2015, , 418-443.		2
95	Nanocoatings for Medical Devices. , 2016, , 519-543.		2
96	Thermal Synthesis of Tetragonal Zirconia Nanopowders. Advanced Science Letters, 2012, 7, 35-38.	0.2	2
97	An Efficient Mathematical Approach for the Fraction Order Differentiation Based on Future Applications of Chaotic Parameter. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	2
98	Oxidation of silicon using trichloroethane -O_2 and HCl-O_2 mixtures. Thin Solid Films, 1993, 223, 129-134.	1.8	1
99	Comparative dynamic response of mesomachine tool structures. International Journal of Computational Materials Science and Surface Engineering, 2009, 2, 18.	0.2	1
100	Diamond coated microtools for machining compact bone. International Journal of Nano and Biomaterials, 2009, 2, 505.	0.1	1
101	Performance of gait recognition in children's walking compared to adults. , 2011, , .		1
102	Accelerating Cell Dynamics Simulations of Soft Materials using CUDA-GPU. Materials Today: Proceedings, 2017, 4, 75-86.	1.8	1
103	Implementation of Crank-Nicolson scheme in cell dynamics simulation for diblock copolymers. Materials Today: Proceedings, 2017, 4, 41-49.	1.8	1
104	Computational and biological studies of novel thiazolyl coumarin derivatives synthesized through Suzuki coupling. Turkish Journal of Chemistry, 2020, 44, 1610-1622.	1.2	1
105	Nanogrinding with Abrasives. , 2015, , 347-369.		1
106	Enhancing Performance through Total Quality Management in Pharmaceutical Manufacturing Industry of Pakistan. International Journal of Productivity and Quality Management, 2020, 1, 1.	0.2	1
107	Aluminium nitrides growth film in a triode plasma system over a varying cathode current density scale. Microelectronic Engineering, 2000, 51-52, 27-33.	2.4	0
108	Commercialisation of nanotechnologies: technology transfer from university research laboratories. International Journal of Nanomanufacturing, 2009, 4, 308.	0.3	0

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109	Diamond Tools in Micromachining. , 0, , 45-70.		0
110	A multifunctional high-speed spindle for micromachining medical materials. International Journal of Nano and Biomaterials, 2009, 2, 520.	0.1	0
111	Formation of nanostructured metal particles using negative rake angle cutting tools. International Journal of Nanomanufacturing, 2009, 4, 326.	0.3	0
112	Gait recognition in children under special circumstances. , 2011, , .		0
113	Machining medical grade titanium alloys using nonabrasive nanolayered cutting tools. , 2015, , 225-248.		0
114	Delivery of Anticancer Molecules Using Carbon Nanotubes. , 2016, , 563-572.		0
115	Diamond Nanogrinding. Advanced Structured Materials, 2016, , 247-297.	0.5	0
116	Understanding the role of service attributes in consumer small retailer relationships: findings from Pakistan. International Journal of Management Practice, 2021, 14, 198.	0.3	0