

# Bharat Bhushan

## List of Publications by Year in descending order

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Version: 2024-02-01

849  
papers

51,021  
citations

1299

109  
h-index

2743

192  
g-index

871  
all docs

871  
docs citations

871  
times ranked

31713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Fungicides-Based Promising Technologies for Managing Post-Production Penicillium Induced Spoilage in Horticultural Commodities: A Comprehensive Review. Food Reviews International, 2022, 38, 227-267.	4.3	22
2	Functional characterization of plant-based protein to determine its quality for food applications. Food Hydrocolloids, 2022, 123, 106986.	5.6	65
3	An internet of health things-driven deep learning framework for detection and classification of skin cancer using transfer learning. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3963.	2.6	99
4	Unification of Blockchain and Internet of Things (BloT): requirements, working model, challenges and future directions. Wireless Networks, 2021, 27, 55-90.	2.0	112
5	Movement of air bubbles under various liquids using bioinspired conical surfaces. Journal of Colloid and Interface Science, 2021, 582, 41-50.	5.0	6
6	Untangling blockchain technology: A survey on state of the art, security threats, privacy services, applications and future research directions. Computers and Electrical Engineering, 2021, 90, 106897.	3.0	116
7	Anthocyanins and Proanthocyanidins as Anticancer Agents. , 2021, , 95-124.		0
8	A New Efficient Architecture for Adaptive Bit-Rate Video Streaming. Sustainability, 2021, 13, 4541.	1.6	4
9	Evaluation of Nutritional, Phytochemical, and Mineral Composition of Selected Medicinal Plants for Therapeutic Uses from Cold Desert of Western Himalaya. Plants, 2021, 10, 1429.	1.6	40
10	Ethnomedicinal Plants Used in the Health Care System: Survey of the Mid Hills of Solan District, Himachal Pradesh, India. Plants, 2021, 10, 1842.	1.6	22
11	Delineating the inherent functional descriptors and biofunctionalities of pectic polysaccharides. Carbohydrate Polymers, 2021, 269, 118319.	5.1	20
12	IoT Enabled Technology in Secured Healthcare: Applications, Challenges and Future Directions. Studies in Systems, Decision and Control, 2021, , 25-48.	0.8	44
13	Transaction Privacy Preservations for Blockchain Technology. Advances in Intelligent Systems and Computing, 2021, , 377-393.	0.5	11
14	Blockchain-Based Cyberthreat Mitigation Systems for Smart Vehicles and Industrial Automation. Studies in Big Data, 2021, , 13-32.	0.8	12
15	Applicability of Industrial IoT in Diversified Sectors: Evolution, Applications and Challenges. Studies in Big Data, 2021, , 45-67.	0.8	30
16	Introduction to nature-inspired solutions for engineering. Molecular Systems Design and Engineering, 2021, 6, 984-985.	1.7	2
17	Physicochemical Characterization of Selected Pomegranate (Punica granatum L.) Cultivars. Turkish Journal of Agricultural Engineering Research, 2021, 2, 425-433.	0.2	3
18	Effect of vein microstructure and nanomechanical behaviors on wind-resistant performance of Asian ladybeetle hindwing. Tribology International, 2020, 142, 105719.	3.0	5

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19	Designing bioinspired conical surfaces for water collection from condensation. Journal of Colloid and Interface Science, 2020, 560, 138-148.	5.0	29
20	Post-harvest processing and valorization of Kinnow mandarin (Citrus reticulata L.): A review. Journal of Food Science and Technology, 2020, 57, 799-815.	1.4	35
21	Multistep wettability gradient in bioinspired triangular patterns for water condensation and transport. Journal of Colloid and Interface Science, 2020, 560, 866-873.	5.0	19
22	ISFC-BLS (Intelligent and Secured Fuzzy Clustering Algorithm Using Balanced Load Sub-Cluster) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.8	35
23	Core-shell magnetic nanoparticles for substrate-independent super-amphiphobic surfaces and mechanochemically robust liquid marbles. Chemical Engineering Journal, 2020, 391, 123523.	6.6	20
24	Traversing the "œOmic" landscape of microbial halotolerance for key molecular processes and new insights. Critical Reviews in Microbiology, 2020, 46, 631-653.	2.7	10
25	Superhydrophilic Al <sub>2</sub> O <sub>3</sub> Particle Layer for Efficient Separation of Oil-in-Water (O/W) and Water-in-Oil (W/O) Emulsions. Langmuir, 2020, 36, 13285-13291.	1.6	14
26	Bioinspired movement of gas bubbles: composition, applications, generation, contact angle, and movement " an overview. Molecular Systems Design and Engineering, 2020, 5, 1555-1577.	1.7	4
27	Frontiers in nanotribology: Magnetic storage, bio/nanotechnology, cosmetics, and bioinspiration. Journal of Colloid and Interface Science, 2020, 577, 127-162.	5.0	8
28	Contact angles and movement of air bubbles on bioinspired conical surfaces. Journal of Colloid and Interface Science, 2020, 577, 530-541.	5.0	8
29	A Comprehensive Survey on various Security Authentication Schemes for Mobile Touch Screen. , 2020, , .		1
30	Accelerated Computer Vision Inference with AI on the Edge. , 2020, , .		4
31	Precedence & Issues of IoT based on Edge Computing. , 2020, , .		6
32	Producing Energy Using Blind Man Stick. , 2020, , .		1
33	Security Challenges & Controls in Cyber Physical System. , 2020, , .		6
34	Working principle, Application areas and Challenges for Blockchain Technology. , 2020, , .		12
35	Importunity & Evolution of IoT for 5G. , 2020, , .		10
36	Evolution of 5G Wireless Network in IoT. , 2020, , .		11

#	ARTICLE	IF	CITATIONS
37	Bioinspired materials and surfaces for green science and technology (part 3). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190439.	1.6	1
38	Neoteric Security and Privacy Sanctuary Technologies in Smart Cities. , 2020, , .		8
39	Security Issues & Seclusion in Bitcoin System. , 2020, , .		4
40	Blockchain for smart cities: A review of architectures, integration trends and future research directions. Sustainable Cities and Society, 2020, 61, 102360.	5.1	201
41	Water collection and transport in bioinspired nested triangular patterns. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190441.	1.6	5
42	Passive water harvesting by desert plants and animals: lessons from nature. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190444.	1.6	39
43	Requirements, Protocols, and Security Challenges in Wireless Sensor Networks: An Industrial Perspective. , 2020, , 683-713.		47
44	Spontaneous transport of air bubbles on bioinspired superhydrophilic triangular patterns. Journal of Colloid and Interface Science, 2020, 575, 399-405.	5.0	9
45	Cu-chitosan nano-net improves keeping quality of tomato by modulating physio-biochemical responses. Scientific Reports, 2020, 10, 21914.	1.6	31
46	Design of water harvesting towers and projections for water collection from fog and condensation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190440.	1.6	37
47	Development of polyurethane-based superhydrophobic coatings on steel surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190446.	1.6	12
48	Mimicking high strength lightweight novel structures inspired from the trabecular bone microarchitecture. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190448.	1.6	8
49	Optimization of Process Variables for Preparation of Pomegranate Juice-Fortified Aonla Candy. Current Science, 2020, 118, 114.	0.4	2
50	Applicability of WSN and Biometric Models in the Field of Healthcare. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 304-329.	0.4	11
51	Introducing Machine Learning to Wireless Sensor Networks. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 1-22.	0.4	4
52	Routing Protocols in Wireless Sensor Networks. Studies in Computational Intelligence, 2019, , 215-248.	0.7	55
53	Nanomanufacturing of bioinspired surfaces. Tribology International, 2019, 129, 67-74.	3.0	51
54	Study on the Formation and Properties of Trapped Nanobubbles and Surface Nanobubbles by Spontaneous and Temperature Difference Methods. Langmuir, 2019, 35, 12035-12041.	1.6	6

#	ARTICLE	IF	CITATIONS
55	Bioinspired conical design for efficient water collection from fog. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190125.	1.6	9
56	Bioinspired materials and surfaces for green science and technology (part 2). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190198.	1.6	0
57	Fabrication of superoleophobic cotton fabric for multi-purpose applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190129.	1.6	10
58	Ultraviolet-driven switchable superoleophobic/superoleophilic coating for separation of oil-water mixtures and emulsions and water purification. Journal of Colloid and Interface Science, 2019, 557, 395-407.	5.0	48
59	Enhancement of water collection and transport in bioinspired triangular patterns from combined fog and condensation. Journal of Colloid and Interface Science, 2019, 557, 528-536.	5.0	26
60	Bioinspired self-healing, superoleophobic and self-cleaning hydrogel-coated surfaces with high durability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190117.	1.6	8
61	Bioinspired oil-water separation approaches for oil spill clean-up and water purification. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190120.	1.6	29
62	Bioinspired triangular patterns for water collection from fog. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190128.	1.6	18
63	<i>In vivo</i> structural dynamic analysis of the dragonfly wing: the effect of stigma as its modulator. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190132.	1.6	6
64	Bioinspired water collection methods to supplement water supply. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190119.	1.6	40
65	Optimization of bioinspired triangular patterns for water condensation and transport. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190127.	1.6	16
66	Water droplet dynamics on bioinspired conical surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190118.	1.6	10
67	Optimization of bioinspired conical surfaces for water collection from fog. Journal of Colloid and Interface Science, 2019, 551, 26-38.	5.0	63
68	Rapid, ultraviolet-induced, reversibly switchable wettability of superhydrophobic/superhydrophilic surfaces. Beilstein Journal of Nanotechnology, 2019, 10, 866-873.	1.5	23
69	Bioinspired materials and surfaces for green science and technology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180336.	1.6	1
70	Designing liquid repellent, icephobic and self-cleaning surfaces with high mechanical and chemical durability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180270.	1.6	15
71	Structural properties and their influence on the prey retention in the spider web. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180271.	1.6	11
72	Fabrication of bioinspired, self-cleaning, anti-icing, superoleophilic/phobic titanium using different pathways. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180273.	1.6	3

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73	Designing bioinspired surfaces for water collection from fog. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180269.	1.6	32
74	Facile approach to develop anti-corrosive superhydrophobic aluminium with high mechanical, chemical and thermal durability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180272.	1.6	18
75	Lessons from nature for green science and technology: an overview and bioinspired superhydrophobic/philic surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180274.	1.6	17
76	SR <sup>2</sup> : An acknowledgement-based mobile sink routing protocol with rechargeable sensors for wireless sensor networks. Wireless Networks, 2019, 25, 2697-2721.	2.0	43
77	Bioinspired superoleophobic/superhydrophilic functionalized cotton for efficient separation of immiscible oil-water mixtures and oil-water emulsions. Journal of Colloid and Interface Science, 2019, 548, 123-130.	5.0	109
78	Water condensation and transport on bioinspired triangular patterns with heterogeneous wettability at a low temperature. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180335.	1.6	18
79	Nullifying phosphatidic acid effect and controlling phospholipase D associated browning in litchi pericarp through combinatorial application of hexanal and inositol. Scientific Reports, 2019, 9, 2402.	1.6	13
80	Properties of Blisters Formed on Polymer Films and Differentiating them from Nanobubbles/Nanodrops. Langmuir, 2019, 35, 3005-3012.	1.6	12
81	A review of beetle hindwings: Structure, mechanical properties, mechanism and bioinspiration. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 94, 63-73.	1.5	28
82	Blockchain for Internet of Things: Architecture, Consensus Advancements, Challenges and Application Areas. , 2019, , .		7
83	Artificial Intelligence and Machine Learning based Legal Application: The State-of-the-Art and Future Research Trends. , 2019, , .		39
84	Architectural Model of Security Threats & their Countermeasures in IoT. , 2019, , .		37
85	Evolution of IoT & Data Analytics using Deep Learning. , 2019, , .		27
86	Innovative approach to Wireless Sensor Networks: SD-WSN. , 2019, , .		4
87	Security Concerns and Future Trends of Internet of Things. , 2019, , .		27
88	Real Time Indian License Plate Detection using Deep Neural Networks and Optical Character Recognition using LSTM Tesseract. , 2019, , .		32
89	Blockchain-based Security Solutions to Preserve Data Privacy And Integrity. , 2019, , .		23
90	Security vulnerabilities in Information communication technology: Blockchain to the rescue (A) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62		22

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91	Security Countermeasures in Web Based Application. , 2019, , .		15
92	Taxonomy of Attacks on Web Based Applications. , 2019, , .		16
93	Monitoring of Input and Output Water Quality in Treatment of Urban Waste Water Using IOT and Artificial Neural Network. , 2019, , .		7
94	Blockchain Technology-Future Of IoT: Including Structure, Limitations And Various Possible Attacks. , 2019, , .		51
95	Use of Machine Learning algorithms for designing efficient cyber security solutions. , 2019, , .		20
96	Attacks, Countermeasures and Security Paradigms in IoT. , 2019, , .		25
97	Information Security threats and attacks with conceivable counteraction. , 2019, , .		25
98	Emerging Trends in Machine Learning. , 2019, , .		9
99	A Comprehensive survey on Blockchain: Working, security analysis, privacy threats and potential applications. , 2019, , .		40
100	Authentication & Encryption Based Security Services in Blockchain Technology. , 2019, , .		22
101	Machine learning methods for IoT and their Future Applications. , 2019, , .		31
102	A Hybrid Secure and Energy Efficient Cluster Based Intrusion Detection system for Wireless Sensing Environment. , 2019, , .		10
103	Enhancement of security and energy efficiency in WSNs: Machine Learning to the rescue. , 2019, , .		10
104	Unifying Blockchain and IoT: Security Requirements, Challenges, Applications and Future Trends. , 2019, , .		22
105	Multistep Wettability Gradient on Bioinspired Conical Surfaces for Water Collection from Fog. Langmuir, 2019, 35, 16944-16947.	1.6	23
106	Mechanochemical robust, magnetic-driven, superhydrophobic 3D porous materials for contaminated oil recovery. Journal of Colloid and Interface Science, 2019, 538, 25-33.	5.0	37
107	Self-cleaning, stain-resistant and anti-bacterial superhydrophobic cotton fabric prepared by simple immersion technique. Journal of Colloid and Interface Science, 2019, 535, 66-74.	5.0	148
108	Facile approach to develop durable and reusable superhydrophobic/superoleophilic coatings for steel mesh surfaces. Journal of Colloid and Interface Science, 2019, 535, 50-57.	5.0	78

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109	Molecular Characterization of Mx1 Gene in Native Indian Breeds of Chicken. <i>Animal Biotechnology</i> , 2019, 30, 113-117.	0.7	1
110	Fabrication of bioinspired superliquiphobic synthetic leather with self-cleaning and low adhesion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 545, 130-137.	2.3	27
111	Fabrication of bioinspired, self-cleaning superliquiphilic/phobic stainless steel using different pathways. <i>Journal of Colloid and Interface Science</i> , 2018, 518, 284-297.	5.0	49
112	Substrate-independent superliquiphobic coatings for water, oil, and surfactant repellency: An overview. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 90-105.	5.0	31
113	Extraction and Evaluation of Antioxidant and Free Radical Scavenging Potential Correlated with Biochemical Components of Red Rose Petals. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 1027-1036.	0.7	5
114	Relative expression of oxytocin receptor gene in buffalo endometrium in late luteal phase and pregnancy stages. <i>Journal of Applied Animal Research</i> , 2018, 46, 146-149.	0.4	1
115	Differential expression of ten candidate genes regulating prostaglandin action in reproductive tissues of buffalo during estrous cycle and pregnancy. <i>Theriogenology</i> , 2018, 105, 7-14.	0.9	7
116	Recent Advances in Attacks, Technical Challenges, Vulnerabilities and Their Countermeasures in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2018, 98, 2037-2077.	1.8	134
117	Skimmer Bird Beak (Rynchops) Surface for Fluid Drag Reduction in Turbulent Flow. <i>Springer Series in Materials Science</i> , 2018, , 563-576.	0.4	3
118	Bio- and Inorganic Fouling. <i>Springer Series in Materials Science</i> , 2018, , 621-664.	0.4	1
119	Gecko Adhesion. <i>Springer Series in Materials Science</i> , 2018, , 739-817.	0.4	0
120	Insects Locomotion, Piercing, Sucking and Stinging Mechanisms. <i>Springer Series in Materials Science</i> , 2018, , 819-860.	0.4	2
121	Role of Liquid Repellency on Fluid Slip, Fluid Drag, and Formation of Nanobubbles. <i>Springer Series in Materials Science</i> , 2018, , 703-738.	0.4	0
122	Fabrication and Characterization of Mechanically Durable Superhydrophobic Surfaces. <i>Springer Series in Materials Science</i> , 2018, , 199-248.	0.4	0
123	Strategies for Superliquiphobic/Philic Surfaces. <i>Springer Series in Materials Science</i> , 2018, , 289-325.	0.4	0
124	Adaptable Fabrication Techniques for Mechanically Durable Superliquiphobic/philic Surfaces. <i>Springer Series in Materials Science</i> , 2018, , 327-427.	0.4	0
125	Bioinspired Strategies for Water Collection and Water Purification. <i>Springer Series in Materials Science</i> , 2018, , 665-701.	0.4	1
126	Roughness-Induced Superliquiphilic/Phobic Surfaces: Wetting States and Lessons from Living Nature. <i>Springer Series in Materials Science</i> , 2018, , 39-49.	0.4	2



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127	Structural Coloration. Springer Series in Materials Science, 2018, , 879-910.	0.4	0
128	Self-healing Materials and Defense Mechanisms. Springer Series in Materials Science, 2018, , 911-958.	0.4	1
129	Modeling of Contact Angle for a Liquid in Contact with a Rough Surface for Various Wetting Regimes. Springer Series in Materials Science, 2018, , 51-80.	0.4	2
130	Plant Leaf Surfaces in Living Nature. Springer Series in Materials Science, 2018, , 81-107.	0.4	2
131	Nanofabrication Techniques Used for Superhydrophobic Surfaces. Springer Series in Materials Science, 2018, , 109-119.	0.4	4
132	Strategies for Micropatterned, Nanopatterned, and Hierarchically Structured Lotus-like Surfaces. Springer Series in Materials Science, 2018, , 121-197.	0.4	0
133	Fabrication and Characterization of Micropatterned Structures Inspired by <i>Salvinia molesta</i> . Springer Series in Materials Science, 2018, , 249-257.	0.4	0
134	Characterization of Rose Petals and Fabrication and Characterization of Superhydrophobic Surfaces with High and Low Adhesion. Springer Series in Materials Science, 2018, , 259-287.	0.4	3
135	Historical evolution of magnetic data storage devices and related conferences. <i>Microsystem Technologies</i> , 2018, 24, 4423-4436.	1.2	12
136	Biomechanical Evaluation of Wasp and Honeybee Stingers. <i>Scientific Reports</i> , 2018, 8, 14945.	1.6	30
137	Fabrication and Characterization of Mechanically Durable Superhydrophobic Surfaces. Springer Series in Materials Science, 2018, , 429-490.	0.4	1
138	Shark Skin Surface for Fluid-Drag Reduction in Turbulent Flow. Springer Series in Materials Science, 2018, , 491-562.	0.4	2
139	Insects locomotion, piercing, sucking and stinging mechanisms. <i>Microsystem Technologies</i> , 2018, 24, 4703-4728.	1.2	5
140	Bioinspired self-healing materials: lessons from nature. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 907-935.	1.5	86
141	Optimization of mixed aonla-guava fruit bar using response surface methodology. <i>Nutrition and Food Science</i> , 2018, 48, 621-630.	0.4	9
142	Lessons from mosquitoes' painless piercing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 84, 178-187.	1.5	22
143	Effect of microtrichia on the interlocking mechanism in the Asian ladybeetle, <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae). <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 812-823.	1.5	20
144	Optimization of button mushroom browning inhibition using response surface methodology. <i>Indian Journal of Horticulture</i> , 2018, 75, 470.	0.1	1

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145	Optimization of Upstream Process Parameters for Enhanced Production of Thermostable Milk Clotting Enzyme from <i>Bacillus Subtilis</i> MTCC 10422. <i>Journal of Food Process Engineering</i> , 2017, 40, e12356.	1.5	2
146	Fabrication techniques for bioinspired, mechanically-durable, superliquiphobic surfaces for water, oil, and surfactant repellency. <i>Advances in Colloid and Interface Science</i> , 2017, 241, 1-23.	7.0	56
147	An overview of additive manufacturing (3D printing) for microfabrication. <i>Microsystem Technologies</i> , 2017, 23, 1117-1124.	1.2	226
148	Effect of Surface Charge on the Nanofriction and Its Velocity Dependence in an Electrolyte Based on Lateral Force Microscopy. <i>Langmuir</i> , 2017, 33, 1792-1798.	1.6	7
149	Nanomechanical Properties of Nanostructures and Scale Effects. , 2017, , 253-299.		2
150	Nanotribology and Nanomechanics of MEMS/NEMS and BioMEMS/BioNEMS Materials and Devices. , 2017, , 797-907.		3
151	Nanomechanical Characterization of Solid Surfaces and Thin Films. , 2017, , 177-251.		1
152	Dual pH- and ammonia-vapor-responsive electrospun nanofibrous membranes for oil-water separations. <i>Journal of Membrane Science</i> , 2017, 537, 128-139.	4.1	157
153	Nanotribology, Nanomechanics and Materials Characterization Studies Using Scanning Probe Microscopy. , 2017, , 373-455.		0
154	Self-assembled Monolayers (SAMs) for Nanotribology and Surface Protection. , 2017, , 641-688.		0
155	Depth-sensing nanoindentation measurement techniques and applications. <i>Microsystem Technologies</i> , 2017, 23, 1595-1649.	1.2	45
156	Liquid-impregnated porous polypropylene surfaces for liquid repellency. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 437-443.	5.0	28
157	Security vulnerabilities and countermeasures against jamming attacks in Wireless Sensor Networks: A survey. , 2017, , .		48
158	Mechanically durable liquid-impregnated honeycomb surfaces. <i>Scientific Reports</i> , 2017, 7, 6083.	1.6	13
159	Introduction to Nanotechnology. <i>Springer Handbooks</i> , 2017, , 1-19.	0.3	57
160	Biological Molecules in Therapeutic Nanodevices. <i>Springer Handbooks</i> , 2017, , 693-722.	0.3	1
161	Scanning Probe Microscopy – Principle of Operation, Instrumentation and Probes. <i>Springer Handbooks</i> , 2017, , 725-768.	0.3	1
162	Nanotribology, Nanomechanics and Materials Characterization. <i>Springer Handbooks</i> , 2017, , 869-934.	0.3	0

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163	Nanomechanical Properties of Nanostructures and Scale Effects. Springer Handbooks, 2017, , 1101-1137.	0.3	0
164	Nanotribology of Ultrathin and Hard Amorphous Carbon Films. Springer Handbooks, 2017, , 1141-1178.	0.3	0
165	Self-Assembled Monolayers for Nanotribology and Surface Protection. Springer Handbooks, 2017, , 1179-1214.	0.3	0
166	Nanoscale Boundary Lubrication Studies. Springer Handbooks, 2017, , 1215-1261.	0.3	0
167	Plant Surfaces: Structures and Functions for Biomimetic Applications. Springer Handbooks, 2017, , 1265-1305.	0.3	10
168	Bioinspired Nanostructured Anti-Biofouling and Anti-inorganic Surfaces. Springer Handbooks, 2017, , 1307-1327.	0.3	1
169	MEMS/NEMS and BioMEMS/BioNEMS: Tribology, Mechanics, Materials and Devices. Springer Handbooks, 2017, , 1331-1416.	0.3	3
170	Global Perspectives of Nanotechnology Education. Springer Handbooks, 2017, , 1603-1624.	0.3	2
171	Role of liquid repellency on fluid slip, fluid drag, and formation of nanobubbles. Microsystem Technologies, 2017, 23, 4367-4390.	1.2	5
172	Plant Surfaces: Structures and Functions for Biomimetic Innovations. Nano-Micro Letters, 2017, 9, 23.	14.4	304
173	Global gene expression profile of peripheral blood mononuclear cells challenged with Theileria annulata in crossbred and indigenous cattle. Infection, Genetics and Evolution, 2017, 47, 9-18.	1.0	13
174	Transparent, wear-resistant, superhydrophobic and superoleophobic poly(dimethylsiloxane) (PDMS) surfaces. Journal of Colloid and Interface Science, 2017, 488, 118-126.	5.0	168
175	Classification and analysis of security attacks in WSNs and IEEE 802.15.4 standards : A survey. , 2017, , .		22
176	Man-in-the-middle attack in wireless and computer networking " A review. , 2017, , .		63
177	Detection and defense mechanisms against wormhole attacks in wireless sensor networks. , 2017, , .		10
178	Security vulnerabilities, attacks and countermeasures in wireless sensor networks at various layers of OSI reference model: A survey. , 2017, , .		69
179	A comprehensive survey of secure and energy efficient routing protocols and data collection approaches in wireless sensor networks. , 2017, , .		27
180	Micro/Nanotribology and Micro/Nanomechanics of Magnetic Storage Devices. , 2017, , 749-796.		3

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181	Scanning Probe Microscopy—Principle of Operation, Instrumentation, and Probes. , 2017, , 33-93.		7
182	Calibration of Normal and Lateral Forces in Cantilevers Used in Atomic Force Microscopy. , 2017, , 95-134.		1
183	Ashwagandha Root Extract Inhibits Acetylcholine Esterase, Protein Modification and Ameliorates H2O2-Induced Oxidative Stress in Rat Lymphocytes. Pharmacognosy Journal, 2017, 9, 302-309.	0.3	6
184	Evaluation of Salt Tolerance in Different Isabgol (Plantago ovata Forsk.) Genotypes under Differential Salt Stress Imposition. Indian Journal of Agricultural Biochemistry, 2017, 30, 41.	0.1	2
185	Influence of particle size on rheological properties of mango peel powder. Indian Journal of Horticulture, 2017, 74, 627.	0.1	0
186	Nanoscale Boundary Lubrication Studies. , 2017, , 689-746.		1
187	Nanotribology of Ultrathin and Hard Amorphous Carbon Films. , 2017, , 593-640.		1
188	Introduction—Measurement Techniques and Applications. , 2017, , 1-29.		0
189	Scale Effect in Mechanical Properties and Tribology. , 2017, , 549-589.		0
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