Bharat Bhushan

List of Publications by Year
in descending order

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1,020	56,151	1377 111	2750 198
papers	citations	h-index	g-index

1100	1100	1100	37997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of BoLA class II DQA and DQB by PCR-RFLP, cloning, and sequencing reveals sequence diversity in crossbred cattle. Animal Biotechnology, 2023, 34, 955-965.	0.7	2
2	Molecular and phylogenetic analysis of MHC class I exons 7â€“8 in a variety of cattle and buffalo breeds. Animal Biotechnology, 2023, 34, 1655-1661.	0.7	2
3	In-vitroanalysis of Interleukin-10 expression in cell cultures of Crossbred cattle, Tharparkar cattle and Murrah buffalo in response to mastitis causing antigens derived fromStaphylococcus aureusandEscherichia coli. Biological Rhythm Research, 2022, 53, 197-206.	0.4	4
4	Multi-Class Breast Cancer Classification Using Ensemble of Pretrained models and Transfer Learning. Current Medical Imaging, 2022, 18, 409-416.	0.4	4
5	Prediction model using SMOTE, genetic algorithm and decision tree (PMSGD) for classification of diabetes mellitus. Multimedia Systems, 2022, 28, 1289-1307.	3.0	50
6	Conceptualizing smart city applications: Requirements, architecture, security issues, and emerging trends. Expert Systems, 2022, 39, .	2.9	104
7	Underwater estimation of audio signal prediction using fruit fly algorithm and hybrid wavelet neural network. Journal of Reliable Intelligent Environments, 2022, 8, 211-221.	3.8	3
8	FLEAC: Fuzzy Logic-based Energy Adequate Clustering Protocol for Wireless Sensor Networks using Improved Grasshopper Optimization Algorithm. Wireless Personal Communications, 2022, 124, 573-606.	1.8	11
9	Architecture, Security Vulnerabilities, and the Proposed Countermeasures in Agriculture-Internet-of-Things (AIoT) Systems. Studies in Big Data, 2022, , 329-353.	0.8	5
10	Protocols, Solutions, and Testbeds for Cyber-Attack Prevention in Industrial SCADA Systems. Studies in Big Data, 2022, , 355-380.	0.8	4
11	Preventing and Detecting Intrusion of Cyberattacks in Smart Grid by Integrating Blockchain. Lecture Notes in Networks and Systems, 2022, , 119-130.	0.5	5
12	Intrusion Detection System (IDS) for Security Enhancement in Wireless Sensing Applications. Lecture Notes in Networks and Systems, 2022, , 39-49.	0.5	5
13	Association Rule-Based Routing Protocol for Opportunistic Network. Lecture Notes in Networks and Systems, 2022, , 391-399.	0.5	2
14	Machine Learning Approaches for Smart City Applications: Emergence, Challenges and Opportunities. Intelligent Systems Reference Library, 2022, , 147-163.	1.0	20
15	Appositeness of Optimized and Reliable Machine Learning for Healthcare: A Survey. Archives of Computational Methods in Engineering, 2022, 29, 3981-4003.	6.0	16
16	Lymphocyte-Specific Protein-1 Suppresses Xenobiotic-Induced Constitutive Androstane Receptor and Subsequent Yes-Associated Proteinâ€“Activated Hepatocyte Proliferation. American Journal of Pathology, 2022, 192, 887-903.	1.9	2
17	Web Mining and Web Usage Mining for Various Human-Driven Applications. Advances in Web Technologies and Engineering Book Series, 2022, , 138-162.	0.4	1
18	Opportunistic Internet of Things (OIoT): Elucidating the Active Opportunities of Opportunistic Networks on the Way to IoT. Intelligent Systems Reference Library, 2022, , 209-224.	1.0	6

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19	Blockchain for Industry 5.0: Vision, Opportunities, Key Enablers, and Future Directions. IEEE Access, 2022, 10, 69160-69199.	2.6	38
20	An internet of health thingsâ€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
21	Yesâ€Associated Protein Is Crucial for Constitutive Androstane Receptorâ€Driven Hepatocyte Proliferation But Not for Induction of Drug Metabolism Genes in Mice. Hepatology, 2021, 73, 2005-2022.	3.6	13
22	Unification of Blockchain and Internet of Things (BIoT): requirements, working model, challenges and future directions. Wireless Networks, 2021, 27, 55-90.	2.0	112
23	Movement of air bubbles under various liquids using bioinspired conical surfaces. Journal of Colloid and Interface Science, 2021, 582, 41-50.	5.0	6
24	Deep Learning Framework for Cybersecurity: Framework, Applications, and Future Research Trends. Advances in Intelligent Systems and Computing, 2021, , 837-847.	0.5	2
25	Information and Data Security Model: Background, Risks, and Challenges. Lecture Notes in Networks and Systems, 2021, , 859-869.	0.5	0
26	Securing Internet of Things: Attacks, Countermeasures and Open Challenges. Advances in Intelligent Systems and Computing, 2021, , 873-885.	0.5	3
27	A New Efficient Architecture for Adaptive Bit-Rate Video Streaming. Sustainability, 2021, 13, 4541.	1.6	4
28	Genomic scans for selection signatures revealed candidate genes for adaptation and production traits in a variety of cattle breeds. Genomics, 2021, 113, 955-963.	1.3	46
29	Blockchain based solutions to secure IoT: Background, integration trends and a way forward. Journal of Network and Computer Applications, 2021, 181, 103050.	5.8	118
30	Internet of Things (IoT) Toward 5G Network: Design Requirements, Integration Trends, and Future Research Directions. Advances in Intelligent Systems and Computing, 2021, , 887-899.	0.5	6
31	Selection of breed-specific SNPs in three Indian sheep breeds using ovine 50â€K array. Small Ruminant Research, 2021, 205, 106545.	0.6	9
32	Introduction to nature-inspired solutions for engineering. Molecular Systems Design and Engineering, 2021, 6, 984-985.	1.7	2
33	Effect of vein microstructure and nanomechanical behaviors on wind-resistant performance of Asian ladybeetle hindwing. Tribology International, 2020, 142, 105719.	3.0	5
34	Designing bioinspired conical surfaces for water collection from condensation. Journal of Colloid and Interface Science, 2020, 560, 138-148.	5.0	29
35	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
36	Core-shell magnetic nanoparticles for substrate-Independent super-amphiphobic surfaces and mechanochemically robust liquid marbles. Chemical Engineering Journal, 2020, 391, 123523.	6.6	20

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37	Superhydrophilic Al₂O₃ 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
38	Bioinspired movement of gas bubbles: composition, applications, generation, contact angle, and movement â€“ an overview. Molecular Systems Design and Engineering, 2020, 5, 1555-1577.	1.7	4
39	Frontiers in nanotribology: Magnetic storage, bio/nanotechnology, cosmetics, and bioinspiration. Journal of Colloid and Interface Science, 2020, 577, 127-162.	5.0	8
40	Contact angles and movement of air bubbles on bioinspired conical surfaces. Journal of Colloid and Interface Science, 2020, 577, 530-541.	5.0	8
41	Bioinspired materials and surfaces for green science and technology (partÂ3). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190439.	1.6	1
42	Transcriptome profiling of buffalo endometrium reveals molecular signature distinct to early pregnancy. Gene, 2020, 743, 144614.	1.0	4
43	Blockchain for smart cities: A review of architectures, integration trends and future research directions. Sustainable Cities and Society, 2020, 61, 102360.	5.1	201
44	Comparison of liver regeneration after partial hepatectomy and acetaminophen-induced acute liver failure: A global picture based on transcriptome analysis. Food and Chemical Toxicology, 2020, 139, 111186.	1.8	8
45	Water collection and transport in bioinspired nested triangular patterns. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190441.	1.6	5
46	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
47	Role of epidermal growth factor receptor in liver injury and lipid metabolism: Emerging new roles for an old receptor. Chemico-Biological Interactions, 2020, 324, 109090.	1.7	29
48	Requirements, Protocols, and Security Challenges in Wireless Sensor Networks: An Industrial Perspective. , 2020, , 683-713.		47
49	Commercial Applications, Projections of Water Collection, and Design of Water Harvesting Towers. Springer Series in Materials Science, 2020, , 155-160.	0.4	4
50	Bioinspired Water Desalination and Water Purification Approaches Using Membranes. Springer Series in Materials Science, 2020, , 161-174.	0.4	1
51	Spontaneous transport of air bubbles on bioinspired superhydrophilic triangular patterns. Journal of Colloid and Interface Science, 2020, 575, 399-405.	5.0	9
52	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
53	Development of polyurethane-based superhydrophobic coatings on steel surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190446.	1.6	12
54	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

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55	Bioinspired Triangular Patterns on Flat Surfaces for Water Harvesting. Springer Series in Materials Science, 2020, , 113-153.	0.4	0
56	Introduction: Water Supply and Management. Springer Series in Materials Science, 2020, , 1-10.	0.4	0
57	Selected Oil-Water Separation Techniquesâ€"Lessons from Living Nature. Springer Series in Materials Science, 2020, , 175-180.	0.4	0
58	Overview of Arid Desert Conditions, Water Sources, and Desert Plants and Animals. Springer Series in Materials Science, 2020, , 11-46.	0.4	1
59	Bioinspired Flat and Conical Surfaces for Water Harvesting. Springer Series in Materials Science, 2020, , 63-112.	0.4	0
60	TCPOBOPâ€Induced Hepatomegaly and Hepatocyte Proliferation are Attenuated by Combined Disruption of MET and EGFR Signaling. Hepatology, 2019, 69, 1702-1718.	3.6	36
61	Routing Protocols in Wireless Sensor Networks. Studies in Computational Intelligence, 2019, , 215-248.	0.7	55
62	Nanomanufacturing of bioinspired surfaces. Tribology International, 2019, 129, 67-74.	3.0	51
63	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
64	Bioinspired conical design for efficient water collection from fog. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190125.	1.6	9
65	Bioinspired materials and surfaces for green science and technology (partÂ2). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190198.	1.6	0
66	Fabrication of superoleophobic cotton fabric for multi-purpose applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190129.	1.6	10
67	Ultraviolet-driven switchable superliquiphobic/superliquiphilic 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
68	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
69	Bioinspired self-healing, superliquiphobic and self-cleaning hydrogel-coated surfaces with high durability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190117.	1.6	8
70	Bioinspired oilâ€"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
71	Bioinspired triangular patterns for water collection from fog. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190128.	1.6	18
72	In vivostructural 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

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73	Bioinspired water collection methods to supplement water supply. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190119.	1.6	40
74	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
75	Water droplet dynamics on bioinspired conical surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190118.	1.6	10
76	Pharmacologic Inhibition of Epidermal Growth Factor Receptor Suppresses Nonalcoholic Fatty Liver Disease in a Murine Fastâ€Food Diet Model. Hepatology, 2019, 70, 1546-1563.	3.6	37
77	Optimization of bioinspired conical surfaces for water collection from fog. Journal of Colloid and Interface Science, 2019, 551, 26-38.	5.0	63
78	Rapid, ultraviolet-induced, reversibly switchable wettability of superhydrophobic/superhydrophilic surfaces. Beilstein Journal of Nanotechnology, 2019, 10, 866-873.	1.5	23
79	Bioinspired materials and surfaces for green science and technology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180336.	1.6	1
80	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
81	Fabrication of bioinspired, self-cleaning, anti-icing, superliquiphilic/phobic titanium using different pathways. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180273.	1.6	3
82	Designing bioinspired surfaces for water collection from fog. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180269.	1.6	32
83	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
84	Lessons from nature for green science and technology: an overview and bioinspired superliquiphobic/philic surfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180274.	1.6	17
85	$$E^{2} SR^{2}$$ E 2 S R 2 : An acknowledgement-based mobile sink routing protocol with rechargeable sensors for wireless sensor networks. Wireless Networks, 2019, 25, 2697-2721.	2.0	43
86	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
87	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
88	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
89	Properties of Blisters Formed on Polymer Films and Differentiating them from Nanobubbles/Nanodrops. Langmuir, 2019, 35, 3005-3012.	1.6	12
90	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

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91	Blockchain for Internet of Things: Architecture, Consensus Advancements, Challenges and Application Areas. , 2019, , .		7
92	A Hybrid Secure and Energy Efficient Cluster Based Intrusion Detection system for Wireless Sensing Environment. , 2019, , .		10
93	Enhancement of security and energy efficiency in WSNs: Machine Learning to the rescue. , 2019, , .		10
94	Multistep Wettability Gradient on Bioinspired Conical Surfaces for Water Collection from Fog. Langmuir, 2019, 35, 16944-16947.	1.6	23
95	Endometrial transcript profile of progesteroneâ€regulated genes during early pregnancy of Water Buffalo (Bubalus bubalis). Reproduction in Domestic Animals, 2019, 54, 100-107.	0.6	8
96	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
97	Liver Regeneration after Acetaminophen Hepatotoxicity. American Journal of Pathology, 2019, 189, 719-729.	1.9	111
98	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
99	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
100	Molecular Characterization of Mx1 Gene in Native Indian Breeds of Chicken. Animal Biotechnology, 2019, 30, 113-117.	0.7	1
101	Peptidoglycan and Lipoteichoic Acid Induces Differential mRNA Response of Immune-Related Genes in PBMC of Crossbred, Tharparkar Cattle and Murrah Buffalo. Animal Biotechnology, 2019, 30, 166-174.	0.7	4
102	Differential cytokine response of Escherichia coli lipopolysaccharide stimulated peripheral blood mononuclear cells in crossbred cattle, Tharparkar cattle and Murrah buffalo - An in vitro study. Spanish Journal of Agricultural Research, 2019, 17, e0501.	0.3	2
103	Hepatocyteâ€specific YAP deletion suppresses hepatocyte proliferation and hepatomegaly induced by CAR agonist, TCPOBOP (1,4â€Bis [2â€(3,5â€Dichloropyridyloxy)] benzene), in mice. FASEB Journal, 2019, 33, 662.72.	0.2	0
104	Fabrication of bioinspired superliquiphobic synthetic leather with self-cleaning and low adhesion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 545, 130-137.	2.3	27
105	Fabrication of bioinspired, self-cleaning superliquiphilic/phobic stainless steel using different pathways. Journal of Colloid and Interface Science, 2018, 518, 284-297.	5.0	49
106	Substrate-independent superliquiphobic coatings for water, oil, and surfactant repellency: An overview. Journal of Colloid and Interface Science, 2018, 526, 90-105.	5.0	31
107	Differential expression of ten candidate genes regulating prostaglandin action in reproductive tissues of buffalo during estrous cycle and pregnancy. Theriogenology, 2018, 105, 7-14.	0.9	7
108	Recent Advances in Attacks, Technical Challenges, Vulnerabilities and Their Countermeasures in Wireless Sensor Networks. Wireless Personal Communications, 2018, 98, 2037-2077.	1.8	134

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109	Skimmer Bird Beak (Rynchops) Surface for Fluid Drag Reduction in Turbulent Flow. Springer Series in Materials Science, 2018, , 563-576.	0.4	3
110	Bio- and Inorganic Fouling. Springer Series in Materials Science, 2018, , 621-664.	0.4	1
111	Gecko Adhesion. Springer Series in Materials Science, 2018, , 739-817.	0.4	0
112	Insects Locomotion, Piercing, Sucking and Stinging Mechanisms. Springer Series in Materials Science, 2018, , 819-860.	0.4	2
113	Role of Liquid Repellency on Fluid Slip, Fluid Drag, and Formation of Nanobubbles. Springer Series in Materials Science, 2018, , 703-738.	0.4	0
114	Fabrication and Characterization of Mechanically Durable Superhydrophobic Surfaces. Springer Series in Materials Science, 2018, , 199-248.	0.4	0
115	Strategies for Superliquiphobic/Philic Surfaces. Springer Series in Materials Science, 2018, , 289-325.	0.4	0
116	Adaptable Fabrication Techniques for Mechanically Durable Superliquiphobic/philic Surfaces. Springer Series in Materials Science, 2018, , 327-427.	0.4	0
117	Bioinspired Strategies for Water Collection and Water Purification. Springer Series in Materials Science, 2018, , 665-701.	0.4	1
118	Roughness-Induced Superliquiphilic/Phobic Surfaces: Wetting States and Lessons from Living Nature. Springer Series in Materials Science, 2018, , 39-49.	0.4	2
119	Structural Coloration. Springer Series in Materials Science, 2018, , 879-910.	0.4	0
120	Self-healing Materials and Defense Mechanisms. Springer Series in Materials Science, 2018, , 911-958.	0.4	1
121	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
122	Plant Leaf Surfaces in Living Nature. Springer Series in Materials Science, 2018, , 81-107.	0.4	2
123	Nanofabrication Techniques Used for Superhydrophobic Surfaces. Springer Series in Materials Science, 2018, , 109-119.	0.4	4
124	Strategies for Micropatterned, Nanopatterned, and Hierarchically Structured Lotus-like Surfaces. Springer Series in Materials Science, 2018, , 121-197.	0.4	0
125	Fabrication and Characterization of Micropatterned Structures Inspired by Salvinia molesta. Springer Series in Materials Science, 2018, , 249-257.	0.4	0
126	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

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127	Historical evolution of magnetic data storage devices and related conferences. Microsystem Technologies, 2018, 24, 4423-4436.	1.2	12
128	Biomechanical Evaluation of Wasp and Honeybee Stingers. Scientific Reports, 2018, 8, 14945.	1.6	30
129	Fabrication and Characterization of Mechanically Durable Superliquiphobic Surfaces. Springer Series in Materials Science, 2018, , 429-490.	0.4	1
130	Shark Skin Surface for Fluid-Drag Reduction in Turbulent Flow. Springer Series in Materials Science, 2018, , 491-562.	0.4	2
131	Insects locomotion, piercing, sucking and stinging mechanisms. Microsystem Technologies, 2018, 24, 4703-4728.	1.2	5
132	Bioinspired self-healing materials: lessons from nature. Beilstein Journal of Nanotechnology, 2018, 9, 907-935.	1.5	86
133	Lessons from mosquitoesâ€™ painless piercing. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 178-187.	1.5	22
134	Combined Systemic Disruption of MET and Epidermal Growth Factor Receptor Signaling Causes Liver Failure in Normal Mice. American Journal of Pathology, 2018, 188, 2223-2235.	1.9	20
135	Effect of microtrichia on the interlocking mechanism in the Asian ladybeetle, Harmonia axyridis (Coleoptera: Coccinellidae). Beilstein Journal of Nanotechnology, 2018, 9, 812-823.	1.5	20
136	Association and expression analysis of single nucleotide polymorphisms of CD14 gene with somatic cell score in crossbred cattle. Gene Reports, 2018, 12, 255-260.	0.4	2
137	Biomimetics. Springer Series in Materials Science, 2018, , .	0.4	56
138	Fabrication techniques for bioinspired, mechanically-durable, superliquiphobic surfaces for water, oil, and surfactant repellency. Advances in Colloid and Interface Science, 2017, 241, 1-23.	7.0	56
139	An overview of additive manufacturing (3D printing) for microfabrication. Microsystem Technologies, 2017, 23, 1117-1124.	1.2	226
140	Effect of Surface Charge on the Nanofriction and Its Velocity Dependence in an Electrolyte Based on Lateral Force Microscopy. Langmuir, 2017, 33, 1792-1798.	1.6	7
141	Nanomechanical Properties of Nanostructures and Scale Effects. , 2017, , 253-299.		2
142	Nanotribology and Nanomechanics of MEMS/NEMS and BioMEMS/BioNEMS Materials and Devices. , 2017, , 797-907.		3
143	Nanomechanical Characterization of Solid Surfaces and Thin Films. , 2017, , 177-251.		1
144	Dual pH- and ammonia-vapor-responsive electrospun nanofibrous membranes for oil-water separations. Journal of Membrane Science, 2017, 537, 128-139.	4.1	157

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145	Nanotribology, Nanomechanics and Materials Characterization Studies Using Scanning Probe Microscopy. , 2017, , 373-455.		0
146	Self-assembled Monolayers (SAMs) for Nanotribology and Surface Protection. , 2017, , 641-688.		0
147	Depth-sensing nanoindentation measurement techniques and applications. Microsystem Technologies, 2017, 23, 1595-1649.	1.2	45
148	Liquid-impregnated porous polypropylene surfaces for liquid repellency. Journal of Colloid and Interface Science, 2017, 487, 437-443.	5.0	28
149	Security vulnerabilities and countermeasures against jamming attacks in Wireless Sensor Networks: A survey. , 2017, , .		48
150	Mechanically durable liquid-impregnated honeycomb surfaces. Scientific Reports, 2017, 7, 6083.	1.6	13
151	Introduction to Nanotechnology. Springer Handbooks, 2017, , 1-19.	0.3	57
152	Biological Molecules in Therapeutic Nanodevices. Springer Handbooks, 2017, , 693-722.	0.3	1
153	Scanning Probe Microscopy â€" Principle of Operation, Instrumentation and Probes. Springer Handbooks, 2017, , 725-768.	0.3	1
154	Nanotribology, Nanomechanics and Materials Characterization. Springer Handbooks, 2017, , 869-934.	0.3	0
155	Nanomechanical Properties of Nanostructures and Scale Effects. Springer Handbooks, 2017, , 1101-1137.	0.3	0
156	Nanotribology of Ultrathin and Hard Amorphous Carbon Films. Springer Handbooks, 2017, , 1141-1178.	0.3	0
157	Self-Assembled Monolayers for Nanotribology and Surface Protection. Springer Handbooks, 2017, , 1179-1214.	0.3	0
158	Nanoscale Boundary Lubrication Studies. Springer Handbooks, 2017, , 1215-1261.	0.3	0
159	Plant Surfaces: Structures and Functions for Biomimetic Applications. Springer Handbooks, 2017, , 1265-1305.	0.3	10
160	Bioinspired Nanostructured Anti-Biofouling and Anti-inorganic Surfaces. Springer Handbooks, 2017, , 1307-1327.	0.3	1
161	MEMS/NEMS and BioMEMS/BioNEMS: Tribology, Mechanics, Materials and Devices. Springer Handbooks, 2017, , 1331-1416.	0.3	3
162	Role of liquid repellency on fluid slip, fluid drag, and formation of nanobubbles. Microsystem Technologies, 2017, 23, 4367-4390.	1.2	5

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163	Plant Surfaces: Structures and Functions for Biomimetic Innovations. Nano-Micro Letters, 2017, 9, 23.	14.4	304
164	Impact of albumin based approaches in nanomedicine: Imaging, targeting and drug delivery. Advances in Colloid and Interface Science, 2017, 246, 13-39.	7.0	97
165	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
166	Skin and Skin Cream. Biological and Medical Physics Series, 2017, , 11-24.	0.3	0
167	Transparent, wear-resistant, superhydrophobic and superoleophobic poly(dimethylsiloxane) (PDMS) surfaces. Journal of Colloid and Interface Science, 2017, 488, 118-126.	5.0	168
168	Biophysics of Skin and Its Treatments. Biological and Medical Physics Series, 2017, , .	0.3	4
169	Nanotribological and Nanomechanical Characterization of Synthetic Skins With and Without Common Cream Treatment for Cosmetic Science. Biological and Medical Physics Series, 2017, , 111-120.	0.3	0
170	Classification and analysis of security attacks in WSNs and IEEE 802.15.4 standards : A survey. , 2017, , .		22
171	Man-in-the-middle attack in wireless and computer networking â€" A review. , 2017, , .		63
172	Security vulnerabilities, attacks and countermeasures in wireless sensor networks at various layers of OSI reference model: A survey. , 2017, , .		69
173	A comprehensive survey of secure and energy efficient routing protocols and data collection approaches in wireless sensor networks. , 2017, , .		27
174	Micro/Nanotribology and Micro/Nanomechanics of Magnetic Storage Devices. , 2017, , 749-796.		3
175	Scanning Probe Microscopyâ€"Principle of Operation, Instrumentation, and Probes. , 2017, , 33-93.		7
176	Calibration of Normal and Lateral Forces in Cantilevers Used in Atomic Force Microscopy. , 2017, , 95-134.		1
177	Skin Vibrations Created During Touch. Biological and Medical Physics Series, 2017, , 123-136.	0.3	0
178	Adhesion, Friction, and Wear of Rat Skin With and Without a Common Cream Treatment. Biological and Medical Physics Series, 2017, , 47-67.	0.3	0
179	Friction, Wear, and Nanomechanical Properties of Virgin and Damaged Rat Skin and Pig Skin With and Without a Common Cream Treatment. Biological and Medical Physics Series, 2017, , 91-107.	0.3	0
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