

Bharat Bhushan

List of Publications by Year in Descending Order

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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.

1,034
papers

47,030
citations

108
h-index

185
g-index

1,100
ext. papers

51,461
ext. citations

4
avg. IF

8.48
L-index

#	Paper	IF	Citations
1034	Challenges, Standards, and Solutions for Secure and Intelligent 5G Internet of Things (IoT) Scenarios 2022 , 139-165		1
1033	Blockchain Assisted Secure Data Sharing in Intelligent Transportation Systems 2022 , 167-187		0
1032	Architecture, Security Vulnerabilities, and the Proposed Countermeasures in Agriculture-Internet-of-Things (AIoT) Systems. <i>Studies in Big Data</i> , 2022 , 329-353	0.9	1
1031	Protocols, Solutions, and Testbeds for Cyber-Attack Prevention in Industrial SCADA Systems. <i>Studies in Big Data</i> , 2022 , 355-380	0.9	
1030	Middleware and Security Requirements for Internet of Things. <i>Lecture Notes in Networks and Systems</i> , 2022 , 309-321	0.5	0
1029	Preventing and Detecting Intrusion of Cyberattacks in Smart Grid by Integrating Blockchain. <i>Lecture Notes in Networks and Systems</i> , 2022 , 119-130	0.5	
1028	Intrusion Detection System (IDS) for Security Enhancement in Wireless Sensing Applications. <i>Lecture Notes in Networks and Systems</i> , 2022 , 39-49	0.5	0
1027	Association Rule-Based Routing Protocol for Opportunistic Network. <i>Lecture Notes in Networks and Systems</i> , 2022 , 391-399	0.5	
1026	Machine Learning Approaches for Smart City Applications: Emergence, Challenges and Opportunities. <i>Intelligent Systems Reference Library</i> , 2022 , 147-163	0.8	13
1025	Appositeness of Optimized and Reliable Machine Learning for Healthcare: A Survey.. <i>Archives of Computational Methods in Engineering</i> , 2022 , 1-23	7.8	4
1024	Web Mining and Web Usage Mining for Various Human-Driven Applications. <i>Advances in Web Technologies and Engineering Book Series</i> , 2022 , 138-162	0.2	0
1023	Opportunistic Internet of Things (OIoT): Elucidating the Active Opportunities of Opportunistic Networks on the Way to IoT. <i>Intelligent Systems Reference Library</i> , 2022 , 209-224	0.8	1
1022	Characterization of BoLA class II and by PCR-RFLP, cloning, and sequencing reveals sequence diversity in crossbred cattle. <i>Animal Biotechnology</i> , 2021 , 1-11	1.4	0
1021	Molecular and phylogenetic analysis of MHC class I exons 7-8 in a variety of cattle and buffalo breeds. <i>Animal Biotechnology</i> , 2021 , 1-7	1.4	0
1020	Selection of breed-specific SNPs in three Indian sheep breeds using ovine 50 K array. <i>Small Ruminant Research</i> , 2021 , 205, 106545	1.7	3
1019	A New Efficient Architecture for Adaptive Bit-Rate Video Streaming. <i>Sustainability</i> , 2021 , 13, 4541	3.6	3
1018	Secure access control for manufacturing sector with application of ethereum blockchain. <i>Peer-to-Peer Networking and Applications</i> , 2021 , 14, 3058-3074	3.1	17

1017	Genomic scans for selection signatures revealed candidate genes for adaptation and production traits in a variety of cattle breeds. <i>Genomics</i> , 2021 , 113, 955-963	4.3	10
1016	Blockchain based solutions to secure IoT: Background, integration trends and a way forward. <i>Journal of Network and Computer Applications</i> , 2021 , 181, 103050	7.9	51
1015	Yes-Associated Protein Is Crucial for Constitutive Androstane Receptor-Driven Hepatocyte Proliferation But Not for Induction of Drug Metabolism Genes in Mice. <i>Hepatology</i> , 2021 , 73, 2005-2022	11.2	5
1014	Unification of Blockchain and Internet of Things (BloT): requirements, working model, challenges and future directions. <i>Wireless Networks</i> , 2021 , 27, 55-90	2.5	67
1013	Movement of air bubbles under various liquids using bioinspired conical surfaces. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 41-50	9.3	2
1012	Deep Learning Framework for Cybersecurity: Framework, Applications, and Future Research Trends. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 837-847	0.4	1
1011	Information and Data Security Model: Background, Risks, and Challenges. <i>Lecture Notes in Networks and Systems</i> , 2021 , 859-869	0.5	
1010	Securing Internet of Things: Attacks, Countermeasures and Open Challenges. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 873-885	0.4	
1009	Attacks and Security Measures in Wireless Sensor Network 2021 , 237-268		5
1008	Multi-class Breast Cancer Classification using Ensemble of Pretrained models and Transfer Learning. <i>Current Medical Imaging</i> , 2021 ,	1.2	3
1007	Healthcare 4.0: An Insight of Architecture, Security Requirements, Pillars and Applications 2021 , 103-129		4
1006	Internet of Things (IoT) Toward 5G Network: Design Requirements, Integration Trends, and Future Research Directions. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 887-899	0.4	1
1005	An internet of health things-driven deep learning framework for detection and classification of skin cancer using transfer learning. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 32, e3963	1.9	45
1004	Frontiers in nanotribology: Magnetic storage, bio/nanotechnology, cosmetics, and bioinspiration. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 127-162	9.3	2
1003	Contact angles and movement of air bubbles on bioinspired conical surfaces. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 530-541	9.3	5
1002	Bioinspired materials and surfaces for green science and technology (part B). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190439	3	1
1001	Transcriptome profiling of buffalo endometrium reveals molecular signature distinct to early pregnancy. <i>Gene</i> , 2020 , 743, 144614	3.8	0
1000	Blockchain for smart cities: A review of architectures, integration trends and future research directions. <i>Sustainable Cities and Society</i> , 2020 , 61, 102360	10.1	105

999	Comparison of liver regeneration after partial hepatectomy and acetaminophen-induced acute liver failure: A global picture based on transcriptome analysis. <i>Food and Chemical Toxicology</i> , 2020 , 139, 111186	4.7	4
998	Water collection and transport in bioinspired nested triangular patterns. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190441	3	3
997	Passive water harvesting by desert plants and animals: lessons from nature. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190444	3	17
996	Bioinspired Water Harvesting, Purification, and Oil-Water Separation. <i>Springer Series in Materials Science</i> , 2020 ,	0.9	1
995	Role of epidermal growth factor receptor in liver injury and lipid metabolism: Emerging new roles for an old receptor. <i>Chemico-Biological Interactions</i> , 2020 , 324, 109090	5	6
994	Selected Oil-Water Separation Techniques Lessons from Living Nature. <i>Springer Series in Materials Science</i> , 2020 , 175-180	0.9	
993	Selected Water Harvesting Mechanisms Lessons from Living Nature. <i>Springer Series in Materials Science</i> , 2020 , 47-61	0.9	0
992	Overview of Arid Desert Conditions, Water Sources, and Desert Plants and Animals. <i>Springer Series in Materials Science</i> , 2020 , 11-46	0.9	0
991	Bioinspired Flat and Conical Surfaces for Water Harvesting. <i>Springer Series in Materials Science</i> , 2020 , 63-112	0.9	
990	Secure Location-Based Aggregator Node Selection Scheme in Wireless Sensor Networks. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 21-35	0.2	4
989	Bioinspired Triangular Patterns on Flat Surfaces for Water Harvesting. <i>Springer Series in Materials Science</i> , 2020 , 113-153	0.9	
988	Introduction: Water Supply and Management. <i>Springer Series in Materials Science</i> , 2020 , 1-10	0.9	
987	Bioinspired Oil-Water Separation and Water Purification Approaches Using Superliquiphobic/philic Porous Surfaces and External Stimuli. <i>Springer Series in Materials Science</i> , 2020 , 181-224	0.9	
986	Requirements, Protocols, and Security Challenges in Wireless Sensor Networks: An Industrial Perspective 2020 , 683-713		27
985	Commercial Applications, Projections of Water Collection, and Design of Water Harvesting Towers. <i>Springer Series in Materials Science</i> , 2020 , 155-160	0.9	1
984	Bioinspired Water Desalination and Water Purification Approaches Using Membranes. <i>Springer Series in Materials Science</i> , 2020 , 161-174	0.9	1
983	Spontaneous transport of air bubbles on bioinspired superhydrophilic triangular patterns. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 399-405	9.3	4
982	Design of water harvesting towers and projections for water collection from fog and condensation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190440	3	27

981	Development of polyurethane-based superhydrophobic coatings on steel surfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190446	3	7
980	Mimicking high strength lightweight novel structures inspired from the trabecular bone microarchitecture. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190448	3	4
979	Multistep wettability gradient in bioinspired triangular patterns for water condensation and transport. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 866-873	9.3	12
978	Core-shell magnetic nanoparticles for substrate-Independent super-amphiphobic surfaces and mechanochemically robust liquid marbles. <i>Chemical Engineering Journal</i> , 2020 , 391, 123523	14.7	9
977	Superhydrophilic AlO Particle Layer for Efficient Separation of Oil-in-Water (O/W) and Water-in-Oil (W/O) Emulsions. <i>Langmuir</i> , 2020 , 36, 13285-13291	4	13
976	Bioinspired movement of gas bubbles: composition, applications, generation, contact angle, and movement in an overview. <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 1555-1577	4.6	3
975	Effect of vein microstructure and nanomechanical behaviors on wind-resistant performance of Asian ladybeetle hindwing. <i>Tribology International</i> , 2020 , 142, 105719	4.9	3
974	Designing bioinspired conical surfaces for water collection from condensation. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 138-148	9.3	16
973	Bioinspired materials and surfaces for green science and technology (part 2). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190198	3	
972	Fabrication of superoleophobic cotton fabric for multi-purpose applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190129	3	8
971	Ultraviolet-driven switchable superliquiphobic/superliquiphilic coating for separation of oil-water mixtures and emulsions and water purification. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 395-407	8.3	26
970	Enhancement of water collection and transport in bioinspired triangular patterns from combined fog and condensation. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 528-536	9.3	14
969	Bioinspired self-healing, superliquiphobic and self-cleaning hydrogel-coated surfaces with high durability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190117	3	2
968	Bioinspired oil-water separation approaches for oil spill clean-up and water purification. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190120	3	17
967	Bioinspired triangular patterns for water collection from fog. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190128	3	13
966	In vivo structural dynamic analysis of the dragonfly wing: the effect of stigma as its modulator. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190132	3	3
965	Bioinspired water collection methods to supplement water supply. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190119	3	31
964	Optimization of bioinspired triangular patterns for water condensation and transport. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190127	3	13

963	Water droplet dynamics on bioinspired conical surfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190118	3	6
962	Pharmacologic Inhibition of Epidermal Growth Factor Receptor Suppresses Nonalcoholic Fatty Liver Disease in a Murine Fast-Food Diet Model. <i>Hepatology</i> , 2019 , 70, 1546-1563	11.2	11
961	Optimization of bioinspired conical surfaces for water collection from fog. <i>Journal of Colloid and Interface Science</i> , 2019 , 551, 26-38	9.3	40
960	Rapid, ultraviolet-induced, reversibly switchable wettability of superhydrophobic/superhydrophilic surfaces. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 866-873	3	17
959	Bioinspired materials and surfaces for green science and technology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180336	3	1
958	Designing liquid repellent, icephobic and self-cleaning surfaces with high mechanical and chemical durability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180270	3	9
957	Fabrication of bioinspired, self-cleaning, anti-icing, superliquiphilic/phobic titanium using different pathways. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180273	3	3
956	Designing bioinspired surfaces for water collection from fog. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180269	3	25
955	Facile approach to develop anti-corrosive superhydrophobic aluminium with high mechanical, chemical and thermal durability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180272	3	12
954	Lessons from nature for green science and technology: an overview and bioinspired superliquiphobic/phobic surfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180274	3	14
953	(E ² SR ²): An acknowledgement-based mobile sink routing protocol with rechargeable sensors for wireless sensor networks. <i>Wireless Networks</i> , 2019 , 25, 2697-2721	2.5	33
952	Bioinspired superoleophobic/superhydrophilic functionalized cotton for efficient separation of immiscible oil-water mixtures and oil-water emulsions. <i>Journal of Colloid and Interface Science</i> , 2019 , 548, 123-130	9.3	53
951	Water condensation and transport on bioinspired triangular patterns with heterogeneous wettability at a low temperature. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180335	3	14
950	Nullifying phosphatidic acid effect and controlling phospholipase D associated browning in litchi pericarp through combinatorial application of hexanal and inositol. <i>Scientific Reports</i> , 2019 , 9, 2402	4.9	6
949	Properties of Blisters Formed on Polymer Films and Differentiating them from Nanobubbles/Nanodrops. <i>Langmuir</i> , 2019 , 35, 3005-3012	4	8
948	TCPOBOP-Induced Hepatomegaly and Hepatocyte Proliferation are Attenuated by Combined Disruption of MET and EGFR Signaling. <i>Hepatology</i> , 2019 , 69, 1702-1718	11.2	20
947	Routing Protocols in Wireless Sensor Networks. <i>Studies in Computational Intelligence</i> , 2019 , 215-248	0.8	37
946	Nanomanufacturing of bioinspired surfaces. <i>Tribology International</i> , 2019 , 129, 67-74	4.9	32

945	Study on the Formation and Properties of Trapped Nanobubbles and Surface Nanobubbles by Spontaneous and Temperature Difference Methods. <i>Langmuir</i> , 2019 , 35, 12035-12041	4	2
944	Bioinspired conical design for efficient water collection from fog. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190125	3	8
943	Differential cytokine response of Escherichia coli lipopolysaccharide stimulated peripheral blood mononuclear cells in crossbred cattle, Tharparkar cattle and Murrah buffalo - An in vitro study. <i>Spanish Journal of Agricultural Research</i> , 2019 , 17, e0501	1.1	1
942	Hepatocyte-specific YAP deletion suppresses hepatocyte proliferation and hepatomegaly induced by CAR agonist, TCPOBOP (1,4-Bis [2-(3,5-Dichloropyridyloxy)] benzene), in mice. <i>FASEB Journal</i> , 2019 , 33, 662.72	0.9	
941	A review of beetle hindwings: Structure, mechanical properties, mechanism and bioinspiration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 94, 63-73	4.1	15
940	Blockchain for Internet of Things: Architecture, Consensus Advancements, Challenges and Application Areas 2019 ,		7
939	A Hybrid Secure and Energy Efficient Cluster Based Intrusion Detection system for Wireless Sensing Environment 2019 ,		6
938	Enhancement of security and energy efficiency in WSNs: Machine Learning to the rescue 2019 ,		5
937	In-vitro analysis of Interleukin-10 expression in cell cultures of Crossbred cattle, Tharparkar cattle and Murrah buffalo in response to mastitis causing antigens derived from Staphylococcus aureus and Escherichia coli. <i>Biological Rhythm Research</i> , 2019 , 1-10	0.8	1
936	Multistep Wettability Gradient on Bioinspired Conical Surfaces for Water Collection from Fog. <i>Langmuir</i> , 2019 , 35, 16944-16947	4	13
935	Endometrial transcript profile of progesterone-regulated genes during early pregnancy of Water Buffalo (<i>Bubalus bubalis</i>). <i>Reproduction in Domestic Animals</i> , 2019 , 54, 100-107	1.6	7
934	Mechanochemical robust, magnetic-driven, superhydrophobic 3D porous materials for contaminated oil recovery. <i>Journal of Colloid and Interface Science</i> , 2019 , 538, 25-33	9.3	24
933	Liver Regeneration after Acetaminophen Hepatotoxicity: Mechanisms and Therapeutic Opportunities. <i>American Journal of Pathology</i> , 2019 , 189, 719-729	5.8	71
932	Self-cleaning, stain-resistant and anti-bacterial superhydrophobic cotton fabric prepared by simple immersion technique. <i>Journal of Colloid and Interface Science</i> , 2019 , 535, 66-74	9.3	102
931	Facile approach to develop durable and reusable superhydrophobic/superoleophilic coatings for steel mesh surfaces. <i>Journal of Colloid and Interface Science</i> , 2019 , 535, 50-57	9.3	48
930	Molecular Characterization of Mx1 Gene in Native Indian Breeds of Chicken. <i>Animal Biotechnology</i> , 2019 , 30, 113-117	1.4	1
929	Peptidoglycan and Lipoteichoic Acid Induces Differential mRNA Response of Immune-Related Genes in PBMC of Crossbred, Tharparkar Cattle and Murrah Buffalo. <i>Animal Biotechnology</i> , 2019 , 30, 166-174	1.4	3
928	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	5.1	14

927	Fabrication of bioinspired, self-cleaning superliquiphilic/phobic stainless steel using different pathways. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 284-297	9.3	30
926	Substrate-independent superliquiphobic coatings for water, oil, and surfactant repellency: An overview. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 90-105	9.3	27
925	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	2.8	5
924	Recent Advances in Attacks, Technical Challenges, Vulnerabilities and Their Countermeasures in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2018 , 98, 2037-2077	1.9	95
923	Combined Systemic Disruption of MET and Epidermal Growth Factor Receptor Signaling Causes Liver Failure in Normal Mice. <i>American Journal of Pathology</i> , 2018 , 188, 2223-2235	5.8	14
922	Effect of microtrichia on the interlocking mechanism in the Asian ladybeetle, (Coleoptera: Coccinellidae). <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 812-823	3	12
921	Association and expression analysis of single nucleotide polymorphisms of CD14 gene with somatic cell score in crossbred cattle. <i>Gene Reports</i> , 2018 , 12, 255-260	1.4	0
920	Biomimetics. <i>Springer Series in Materials Science</i> , 2018 ,	0.9	47
919	Skimmer Bird Beak (Rynchops) Surface for Fluid Drag Reduction in Turbulent Flow. <i>Springer Series in Materials Science</i> , 2018 , 563-576	0.9	
918	Rice Leaf and Butterfly Wing Effect. <i>Springer Series in Materials Science</i> , 2018 , 577-620	0.9	2
917	Bio- and Inorganic Fouling. <i>Springer Series in Materials Science</i> , 2018 , 621-664	0.9	1
916	Gecko Adhesion. <i>Springer Series in Materials Science</i> , 2018 , 739-817	0.9	
915	Insects Locomotion, Piercing, Sucking and Stinging Mechanisms. <i>Springer Series in Materials Science</i> , 2018 , 819-860	0.9	2
914	Structure and Mechanical Properties of Nacre. <i>Springer Series in Materials Science</i> , 2018 , 861-877	0.9	
913	Role of Liquid Repellency on Fluid Slip, Fluid Drag, and Formation of Nanobubbles. <i>Springer Series in Materials Science</i> , 2018 , 703-738	0.9	
912	Fabrication and Characterization of Mechanically Durable Superhydrophobic Surfaces. <i>Springer Series in Materials Science</i> , 2018 , 199-248	0.9	
911	Strategies for Superliquiphobic/Philic Surfaces. <i>Springer Series in Materials Science</i> , 2018 , 289-325	0.9	
910	Adaptable Fabrication Techniques for Mechanically Durable Superliquiphobic/philic Surfaces. <i>Springer Series in Materials Science</i> , 2018 , 327-427	0.9	

909	Bioinspired Strategies for Water Collection and Water Purification. <i>Springer Series in Materials Science</i> , 2018 , 665-701	0.9	1
908	Roughness-Induced Superliquiphilic/Phobic Surfaces: Wetting States and Lessons from Living Nature. <i>Springer Series in Materials Science</i> , 2018 , 39-49	0.9	2
907	Structural Coloration. <i>Springer Series in Materials Science</i> , 2018 , 879-910	0.9	
906	Self-healing Materials and Defense Mechanisms. <i>Springer Series in Materials Science</i> , 2018 , 911-958	0.9	1
905	Modeling of Contact Angle for a Liquid in Contact with a Rough Surface for Various Wetting Regimes. <i>Springer Series in Materials Science</i> , 2018 , 51-80	0.9	
904	Plant Leaf Surfaces in Living Nature. <i>Springer Series in Materials Science</i> , 2018 , 81-107	0.9	2
903	Nanofabrication Techniques Used for Superhydrophobic Surfaces. <i>Springer Series in Materials Science</i> , 2018 , 109-119	0.9	3
902	Strategies for Micropatterned, Nanopatterned, and Hierarchically Structured Lotus-like Surfaces. <i>Springer Series in Materials Science</i> , 2018 , 121-197	0.9	
901	Fabrication and Characterization of Micropatterned Structures Inspired by <i>Salvinia molesta</i> . <i>Springer Series in Materials Science</i> , 2018 , 249-257	0.9	
900	Characterization of Rose Petals and Fabrication and Characterization of Superhydrophobic Surfaces with High and Low Adhesion. <i>Springer Series in Materials Science</i> , 2018 , 259-287	0.9	1
899	Historical evolution of magnetic data storage devices and related conferences. <i>Microsystem Technologies</i> , 2018 , 24, 4423-4436	1.7	6
898	Biomechanical Evaluation of Wasp and Honeybee Stingers. <i>Scientific Reports</i> , 2018 , 8, 14945	4.9	17
897	Fabrication and Characterization of Mechanically Durable Superliquiphobic Surfaces. <i>Springer Series in Materials Science</i> , 2018 , 429-490	0.9	1
896	Shark Skin Surface for Fluid-Drag Reduction in Turbulent Flow. <i>Springer Series in Materials Science</i> , 2018 , 491-562	0.9	2
895	Insects locomotion, piercing, sucking and stinging mechanisms. <i>Microsystem Technologies</i> , 2018 , 24, 4703-4728	1.7	6
894	Bioinspired self-healing materials: lessons from nature. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 907-935	3	59
893	Lessons from mosquitoes' painless piercing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 84, 178-187	4.1	17
892	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	14.3	41

891	An overview of additive manufacturing (3D printing) for microfabrication. <i>Microsystem Technologies</i> , 2017 , 23, 1117-1124	1.7	142
890	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	4	6
889	Nanomechanical Properties of Nanostructures and Scale Effects 2017 , 253-299		1
888	Nanotribology and Nanomechanics of MEMS/NEMS and BioMEMS/BioNEMS Materials and Devices 2017 , 797-907		2
887	Nanomechanical Characterization of Solid Surfaces and Thin Films 2017 , 177-251		0
886	Dual pH- and ammonia-vapor-responsive electrospun nanofibrous membranes for oil-water separations. <i>Journal of Membrane Science</i> , 2017 , 537, 128-139	9.6	123
885	Nanotribology, Nanomechanics and Materials Characterization Studies Using Scanning Probe Microscopy 2017 , 373-455		
884	Self-assembled Monolayers (SAMs) for Nanotribology and Surface Protection 2017 , 641-688		
883	Depth-sensing nanoindentation measurement techniques and applications. <i>Microsystem Technologies</i> , 2017 , 23, 1595-1649	1.7	29
882	Liquid-impregnated porous polypropylene surfaces for liquid repellency. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 437-443	9.3	26
881	Security vulnerabilities and countermeasures against jamming attacks in Wireless Sensor Networks: A survey 2017 ,		27
880	Mechanically durable liquid-impregnated honeycomb surfaces. <i>Scientific Reports</i> , 2017 , 7, 6083	4.9	11
879	Introduction to Nanotechnology. <i>Springer Handbooks</i> , 2017 , 1-19	1.3	33
878	Biological Molecules in Therapeutic Nanodevices. <i>Springer Handbooks</i> , 2017 , 693-722	1.3	
877	Scanning Probe Microscopy Principle of Operation, Instrumentation and Probes. <i>Springer Handbooks</i> , 2017 , 725-768	1.3	1
876	Nanotribology, Nanomechanics and Materials Characterization. <i>Springer Handbooks</i> , 2017 , 869-934	1.3	
875	Nanomechanical Properties of Nanostructures and Scale Effects. <i>Springer Handbooks</i> , 2017 , 1101-1137	1.3	
874	Nanotribology of Ultrathin and Hard Amorphous Carbon Films. <i>Springer Handbooks</i> , 2017 , 1141-1178	1.3	

873	Self-Assembled Monolayers for Nanotribology and Surface Protection. <i>Springer Handbooks</i> , 2017 , 1179-1214	12	14
872	Nanoscale Boundary Lubrication Studies. <i>Springer Handbooks</i> , 2017 , 1215-1261	13	
871	Plant Surfaces: Structures and Functions for Biomimetic Applications. <i>Springer Handbooks</i> , 2017 , 1265-1305	15	6
870	Bioinspired Nanostructured Anti-Biofouling and Anti-inorganic Surfaces. <i>Springer Handbooks</i> , 2017 , 1307-1327	15	1
869	MEMS/NEMS and BioMEMS/BioNEMS: Tribology, Mechanics, Materials and Devices. <i>Springer Handbooks</i> , 2017 , 1331-1416	13	2
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856	Micro/Nanotribology and Micro/Nanomechanics of Magnetic Storage Devices 2017 , 749-796		1

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828	Modeling, Fabrication, and Characterization of Superoleophobic/Philic Surfaces 2016 , 243-325		
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