

Elena Ivanova

List of Publications by Year in descending order

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Version: 2024-02-01

305
papers

16,397
citations

23567

58
h-index

19749

117
g-index

315
all docs

315
docs citations

315
times ranked

16270
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Additively Manufactured Titanium Implants for Short-Time Pediatric Implantations with Enhanced Bactericidal Activity. <i>ChemMedChem</i> , 2022, 17, .	3.2	6
2	Biodegradation of novel bioplastics made of starch, polyhydroxyurethanes and cellulose nanocrystals in soil environment. <i>Science of the Total Environment</i> , 2022, 815, 152684.	8.0	21
3	Fluorescence Colour Control in Perylene-Labeled Polymer Chains Trapped by Nanotextured Silicon. <i>Angewandte Chemie - International Edition</i> , 2022, , .	13.8	2
4	Programmed Death of Injured <i>Pseudomonas aeruginosa</i> on Mechano-Bactericidal Surfaces. <i>Nano Letters</i> , 2022, 22, 1129-1137.	9.1	23
5	Silicon-Doped Graphene Oxide Quantum Dots as Efficient Nanoconjugates for Multifunctional Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7161-7174.	8.0	10
6	Critical Review of Nanopillar-Based Mechanobactericidal Systems. <i>ACS Applied Nano Materials</i> , 2022, 5, 1-17.	5.0	33
7	Nanostructured antibacterial surfaces – What can be achieved?. <i>Nano Today</i> , 2022, 43, 101404.	11.9	22
8	Surface Architecture Influences the Rigidity of <i>Candida albicans</i> Cells. <i>Nanomaterials</i> , 2022, 12, 567.	4.1	10
9	Nanopillar Polymer Films as Antibacterial Packaging Materials. <i>ACS Applied Nano Materials</i> , 2022, 5, 2578-2591.	5.0	18
10	Frontispiz: Fluorescence Colour Control in Perylene-Labeled Polymer Chains Trapped by Nanotextured Silicon. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
11	Multifunctional cold spray coatings for biological and biomedical applications: A review. <i>Progress in Surface Science</i> , 2022, 97, 100654.	8.3	27
12	Frontispiece: Fluorescence Colour Control in Perylene-Labeled Polymer Chains Trapped by Nanotextured Silicon. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	0
13	Advancing of 3D-Printed Titanium Implants with Combined Antibacterial Protection Using Ultrasharp Nanostructured Surface and Gallium-Releasing Agents. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 314-327.	5.2	13
14	Localization of nanospheres in pheochromocytoma-like cells following exposure to high-frequency electromagnetic fields at 18 GHz. <i>Royal Society Open Science</i> , 2022, 9, .	2.4	3
15	Lethal Interactions of Atomically Precise Gold Nanoclusters and <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Bacterial Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32634-32645.	8.0	11
16	Functional Nanomaterials from Waste and Low-Value Natural Products: A Technological Approach Level. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	11
17	Mechano-bactericidal actions of nanostructured surfaces. <i>Nature Reviews Microbiology</i> , 2021, 19, 8-22.	28.6	264
18	Translocation of silica nanospheres through giant unilamellar vesicles (GUVs) induced by a high frequency electromagnetic field. <i>RSC Advances</i> , 2021, 11, 31408-31420.	3.6	3

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19	Diversity of experimental designs for the fabrication of antifungal surfaces for the built environment. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2663-2674.	3.6	10
20	Five-dimensional imaging with a coded pinhole array. , 2021, , .		0
21	Single camera shot Fresnel incoherent correlation holography. , 2021, , .		0
22	Femtosecond laser fabrication of diffractive optics for spatial and spectral imaging at synchrotron infrared beamlines. , 2021, , .		0
23	Towards antiviral polymer composites to combat COVID-19 transmission. <i>Nano Select</i> , 2021, 2, 2061-2071.	3.7	28
24	Incoherent Optical Tweezers on Black Titanium. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27586-27593.	8.0	9
25	Edge and Contrast Enhancement Using Spatially Incoherent Correlation Holography Techniques. <i>Photonics</i> , 2021, 8, 224.	2.0	14
26	Plasma and Polymers: Recent Progress and Trends. <i>Molecules</i> , 2021, 26, 4091.	3.8	42
27	Robust and Eco-Friendly Superhydrophobic Starch Nanohybrid Materials with Engineered Lotus Leaf Mimetic Multiscale Hierarchical Structures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36558-36573.	8.0	63
28	Surface modifications of nanocellulose: From synthesis to high-performance nanocomposites. <i>Progress in Polymer Science</i> , 2021, 119, 101418.	24.7	110
29	Antifungal versus antibacterial defence of insect wings. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 886-897.	9.4	27
30	Functional nanomaterials, synergisms, and biomimicry for environmentally benign marine antifouling technology. <i>Materials Horizons</i> , 2021, 8, 3201-3238.	12.2	44
31	Decontamination-Induced Modification of Bioactivity in Essential Oil-Based Plasma Polymer Coatings. <i>Molecules</i> , 2021, 26, 7133.	3.8	4
32	Enhanced Reconstruction of Spatially Incoherent Digital Holograms Using Synthetic Point Spread Holograms. , 2021, 11, .		0
33	Tunable morphological changes of asymmetric titanium nanosheets with bactericidal properties. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 572-580.	9.4	51
34	Synthesis of green hybrid materials using starch and non-isocyanate polyurethanes. <i>Carbohydrate Polymers</i> , 2020, 229, 115535.	10.2	31
35	Use of Synergistic Interactions to Fabricate Transparent and Mechanically Robust Nanohybrids Based on Starch, Non-Isocyanate Polyurethanes, and Cellulose Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47865-47878.	8.0	24
36	Electrospun Nanodiamond-Silk Fibroin Membranes: A Multifunctional Platform for Biosensing and Wound-Healing Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48408-48419.	8.0	50

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37	Mechano-Bactericidal Titanium Surfaces for Bone Tissue Engineering. ACS Applied Materials & Interfaces, 2020, 12, 48272-48283.	8.0	62
38	Antibacterial Action of Nanoparticles by Lethal Stretching of Bacterial Cell Membranes. Advanced Materials, 2020, 32, e2005679.	21.0	102
39	Direct Measurement of Temperature Diffusivity of Nanocellulose-Doped Biodegradable Composite Films. Micromachines, 2020, 11, 738.	2.9	13
40	Single shot multispectral multidimensional imaging using chaotic waves. Scientific Reports, 2020, 10, 13902.	3.3	36
41	Nanoscale Surface Roughness Influences <i>Candida albicans</i> Biofilm Formation. ACS Applied Bio Materials, 2020, 3, 8581-8591.	4.6	15
42	Lensless Three-Dimensional Quantitative Phase Imaging Using Phase Retrieval Algorithm. Journal of Imaging, 2020, 6, 99.	3.0	19
43	Black-Si as a Photoelectrode. Nanomaterials, 2020, 10, 873.	4.1	9
44	The multi-faceted mechano-bactericidal mechanism of nanostructured surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12598-12605.	7.1	119
45	Assessment of interfacial interactions between starch and non-isocyanate polyurethanes in their hybrids. Carbohydrate Polymers, 2020, 246, 116656.	10.2	14
46	Three-Dimensional Hierarchical Wrinkles on Polymer Films: From Chaotic to Ordered Antimicrobial Topographies. Trends in Biotechnology, 2020, 38, 558-571.	9.3	12
47	Effect of titanium surface topography on plasma deposition of antibacterial polymer coatings. Applied Surface Science, 2020, 521, 146375.	6.1	29
48	Tilted black-Si: $\lambda/4.45$ form-birefringence from sub-wavelength needles. Optics Express, 2020, 28, 16012.	3.4	10
49	Fresnel incoherent correlation holography with single camera shot. Opto-Electronic Advances, 2020, 3, 200004-200004.	13.3	40
50	Multi-directional electrodeposited gold nanospikes for antibacterial surface applications. Nanoscale Advances, 2019, 1, 203-212.	4.6	65
51	The idiosyncratic self-cleaning cycle of bacteria on regularly arrayed mechano-bactericidal nanostructures. Nanoscale, 2019, 11, 16455-16462.	5.6	26
52	Applications of Synchrotron-Source IR Spectroscopy for the Investigation of Insect Wings. , 2019, , .		4
53	Interaction of Giant Unilamellar Vesicles with the Surface Nanostructures on Dragonfly Wings. Langmuir, 2019, 35, 2422-2430.	3.5	18
54	Polyurethanes from seed oil-based polyols: A review of synthesis, mechanical and thermal properties. Industrial Crops and Products, 2019, 142, 111841.	5.2	89

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55	PC 12 Pheochromocytoma Cell Response to Super High Frequency Terahertz Radiation from Synchrotron Source. <i>Cancers</i> , 2019, 11, 162.	3.7	20
56	Bio-based routes to synthesize cyclic carbonates and polyamines precursors of non-isocyanate polyurethanes: A review. <i>European Polymer Journal</i> , 2019, 118, 668-684.	5.4	108
57	Bio-inspired sustainable and durable superhydrophobic materials: from nature to market. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16643-16670.	10.3	183
58	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits <i>Staphylococcus aureus</i> Colonization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24588-24597.	8.0	60
59	Outsmarting superbugs: bactericidal activity of nanostructured titanium surfaces against methicillin- and gentamicin-resistant <i>Staphylococcus aureus</i> ATCC 33592. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4424-4431.	5.8	39
60	Switchable Dual-Function and Bioresponsive Materials to Control Bacterial Infections. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22897-22914.	8.0	55
61	Nanoscale optical and structural characterisation of silk. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 922-929.	2.8	15
62	The Fate of Osteoblast-Like MG-63 Cells on Pre-Infected Bactericidal Nanostructured Titanium Surfaces. <i>Materials</i> , 2019, 12, 1575.	2.9	33
63	Wrinkled Topologies: Influence of Amorphous, Carbon-Derived Wrinkled Surface Topologies on the Colonization of <i>Pseudomonas aeruginosa</i> Bacteria (Adv. Mater. Interfaces 7/2019). <i>Advanced Materials Interfaces</i> , 2019, 6, 1970044.	3.7	0
64	Simulations of Protein Adsorption on Nanostructured Surfaces. <i>Scientific Reports</i> , 2019, 9, 4694.	3.3	34
65	Computational prediction of microRNAs in marine bacteria of the genus <i>Thalassospira</i> . <i>PLoS ONE</i> , 2019, 14, e0212996.	2.5	12
66	Influence of Amorphous, Carbon-Derived Wrinkled Surface Topologies on the Colonization of <i>Pseudomonas aeruginosa</i> Bacteria. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801890.	3.7	4
67	Polymerization-Induced Phase Segregation and Self-Assembly of Siloxane Additives to Provide Thermoset Coatings with a Defined Surface Topology and Biocidal and Self-Cleaning Properties. <i>Nanomaterials</i> , 2019, 9, 1610.	4.1	6
68	Mechanical inactivation of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> by titanium substrata with hierarchical surface structures. <i>Materialia</i> , 2019, 5, 100197.	2.7	50
69	Imaging the air-water interface: Characterising biomimetic and natural hydrophobic surfaces using in situ atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 363-371.	9.4	20
70	Polycrystalline Diamond Coating of Additively Manufactured Titanium for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8474-8484.	8.0	61
71	Mechano-bactericidal mechanism of graphene nanomaterials. <i>Interface Focus</i> , 2018, 8, 20170060.	3.0	43
72	Chemically non-perturbing SERS detection of a catalytic reaction with black silicon. <i>Nanoscale</i> , 2018, 10, 9780-9787.	5.6	50

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73	Role of topological scale in the differential fouling of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> bacterial cells on wrinkled gold-coated polystyrene surfaces. <i>Nanoscale</i> , 2018, 10, 5089-5096.	5.6	35
74	Subtle Variations in Surface Properties of Black Silicon Surfaces Influence the Degree of Bactericidal Efficiency. <i>Nano-Micro Letters</i> , 2018, 10, 36.	27.0	68
75	3D printed polarizing grids for IR-THz synchrotron radiation. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 035101.	2.2	25
76	Study of melanin localization in the mature male <i>Calopteryx haemorrhoidalis</i> damselfly wings. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 874-877.	2.4	1
77	Exposure to high-frequency electromagnetic field triggers rapid uptake of large nanosphere clusters by pheochromocytoma cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 8429-8442.	6.7	14
78	The Effect of Coatings and Nerve Growth Factor on Attachment and Differentiation of Pheochromocytoma Cells. <i>Materials</i> , 2018, 11, 60.	2.9	30
79	Recent Advances in Macro ATR-FTIR Microspectroscopic Technique for High Resolution Surface Characterisation at Australian Synchrotron IR Beamline. , 2018, , .		0
80	High Aspect Ratio Nanostructures Kill Bacteria <i>via</i> Storage and Release of Mechanical Energy. <i>ACS Nano</i> , 2018, 12, 6657-6667.	14.6	120
81	Mechanical performance and cell response of pure titanium with ultrafine-grained structure produced by severe plastic deformation. , 2018, , 419-454.		9
82	Structure and Chemical Organization in Damselfly <i>Calopteryx haemorrhoidalis</i> Wings: A Spatially Resolved FTIR and XRF Analysis with Synchrotron Radiation. <i>Scientific Reports</i> , 2018, 8, 8413.	3.3	11
83	Pheochromocytoma (PC12) Cell Response on Mechanobactericidal Titanium Surfaces. <i>Materials</i> , 2018, 11, 605.	2.9	14
84	Pillars of Life: Is There a Relationship between Lifestyle Factors and the Surface Characteristics of Dragonfly Wings?. <i>ACS Omega</i> , 2018, 3, 6039-6046.	3.5	19
85	Renewable Bio-anodes for Microbial Fuel Cells. , 2018, , 1-16.		1
86	3D Printed Gratings: IR-THz Applications. , 2018, , .		0
87	The susceptibility of <i>Staphylococcus aureus</i> CIP 65.8 and <i>Pseudomonas aeruginosa</i> ATCC 9721 cells to the bactericidal action of nanostructured <i>Calopteryx haemorrhoidalis</i> damselfly wing surfaces. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4683-4690.	3.6	71
88	Influence of nanoscale topology on bactericidal efficiency of black silicon surfaces. <i>Nanotechnology</i> , 2017, 28, 245301.	2.6	106
89	Nanofabrication of mechano-bactericidal surfaces. <i>Nanoscale</i> , 2017, 9, 16564-16585.	5.6	91
90	The effect of a high frequency electromagnetic field in the microwave range on red blood cells. <i>Scientific Reports</i> , 2017, 7, 10798.	3.3	17

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91	Plasma-potentiated small moleculesâ€”possible alternative to antibiotics?. <i>Nano Futures</i> , 2017, 1, 025002.	2.2	18
92	Comment on â€œBactericidal Effects of Natural Nanotopography of Dragonfly Wing on <i>Escherichia coli</i> â€• <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29387-29393.	8.0	78
93	Three-Dimensional Organization of Self-Encapsulating <i>Gluconobacter oxydans</i> Bacterial Cells. <i>ACS Omega</i> , 2017, 2, 8099-8107.	3.5	13
94	Nano-structured antimicrobial surfaces: From nature to synthetic analogues. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 603-616.	9.4	268
95	Bactericidal activity of self-assembled palmitic and stearic fatty acid crystals on highly ordered pyrolytic graphite. <i>Acta Biomaterialia</i> , 2017, 59, 148-157.	8.3	42
96	Wavelengths of the Self-Photopumped Nickel-Like 4f 1P1â†’4d 1P1 X-ray Laser Transitions. <i>Atoms</i> , 2017, 5, 25.	1.6	0
97	Synchrotron macro ATR-FTIR microspectroscopic analysis of silica nanoparticle-embedded polyester coated steel surfaces subjected to prolonged UV and humidity exposure. <i>PLoS ONE</i> , 2017, 12, e0188345.	2.5	13
98	Bioelectromagnetics Research within an Australian Context: The Australian Centre for Electromagnetic Bioeffects Research (ACEBR). <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 967.	2.6	4
99	The Bioeffects Resulting from Prokaryotic Cells and Yeast Being Exposed to an 18 GHz Electromagnetic Field. <i>PLoS ONE</i> , 2016, 11, e0158135.	2.5	26
100	<i>Thalassospira australica</i> sp. nov. isolated from sea water. <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1091-1100.	1.7	10
101	A bactericidal microfluidic device constructed using nano-textured black silicon. <i>RSC Advances</i> , 2016, 6, 26300-26306.	3.6	44
102	Nanostructured Antireflective and Thermoisolative Cicada Wings. <i>Langmuir</i> , 2016, 32, 4698-4703.	3.5	41
103	Adsorption of Human Plasma Albumin and Fibronectin onto Nanostructured Black Silicon Surfaces. <i>Langmuir</i> , 2016, 32, 10744-10751.	3.5	27
104	â€œRace for the Surfaceâ€• Eukaryotic Cells Can Win. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22025-22031.	8.0	95
105	The Evolution of Silica Nanoparticle-polyester Coatings on Surfaces Exposed to Sunlight. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	4
106	Acceptance and Commitment Therapy and Implementation Intentions Increase Exercise Enjoyment and Long-Term Exercise Behavior Among Low-Active Women. <i>Current Psychology</i> , 2016, 35, 108-114.	2.8	16
107	The nature of inherent bactericidal activity: insights from the nanotopology of three species of dragonfly. <i>Nanoscale</i> , 2016, 8, 6527-6534.	5.6	104
108	Attenuated Total Reflection FTIR Microspectroscopy at the Australian Synchrotron. , 2016, , .		3

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109	Antibacterial titanium nano-patterned arrays inspired by dragonfly wings. <i>Scientific Reports</i> , 2015, 5, 16817.	3.3	235
110	18 GHz electromagnetic field induces permeability of Gram-positive cocci. <i>Scientific Reports</i> , 2015, 5, 10980.	3.3	28
111	Bacterial patterning at the three-phase line of contact with microtextured alkanes. <i>Biofouling</i> , 2015, 31, 297-307.	2.2	2
112	Hydrophobicity of Nonwetting Soils. , 2015, , 51-65.		1
113	Metallic Superhydrophobic Surfaces. , 2015, , 87-111.		0
114	Impact of confining 3-D polymer networks on dynamics of bacterial ingress and self-organisation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8704-8710.	5.8	8
115	Superhydrophobicity – An Introductory Review. , 2015, , 1-6.		0
116	Biological Interactions with Superhydrophobic Surfaces. , 2015, , 151-160.		3
117	Natural Superhydrophobic Surfaces. , 2015, , 7-25.		3
118	Superhydrophobic Polymers. , 2015, , 67-85.		0
119	Applications of Nanotextured Surfaces. , 2015, , 113-149.		0
120	The Design of Superhydrophobic Surfaces. , 2015, , 27-49.		2
121	Three-dimensional visualization of nanostructured surfaces and bacterial attachment using Autodesk® Maya®. <i>Scientific Reports</i> , 2015, 4, 4228.	3.3	6
122	Graphene Induces Formation of Pores That Kill Spherical and Rod-Shaped Bacteria. <i>ACS Nano</i> , 2015, 9, 8458-8467.	14.6	322
123	Ecophysiological diversity of a novel member of the genus <i>Alteromonas</i> , and description of <i>Alteromonas mediterranea</i> sp. nov.. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 119-132.	1.7	44
124	Self-organised nanoarchitecture of titanium surfaces influences the attachment of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> bacteria. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6831-6840.	3.6	22
125	Statistically quantified measurement of an Alzheimer's marker by surface-enhanced Raman scattering. <i>Journal of Biophotonics</i> , 2015, 8, 567-574.	2.3	40
126	Yeast-based self-organized hybrid bio-silica sol-gels for the design of biosensors. <i>Biosensors and Bioelectronics</i> , 2015, 67, 321-326.	10.1	44

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127	Natural Antibacterial Surfaces. , 2015, , 9-26.		3
128	Designing Antibacterial Surfaces for Biomedical Implants. , 2015, , 89-111.		5
129	Introduction to Antibacterial Surfaces. , 2015, , 1-8.		1
130	Marinobacter salarius sp. nov. and Marinobacter similis sp. nov., Isolated from Sea Water. PLoS ONE, 2014, 9, e106514.	2.5	39
131	Genome Sequence of "Thalassospira australica" NP3b2T Isolated from St. Kilda Beach, Tasman Sea. Genome Announcements, 2014, 2, .	0.8	2
132	Wing wettability of Odonata species as a function of quantity of epicuticular waxes. Vibrational Spectroscopy, 2014, 75, 173-177.	2.2	12
133	Draft Genome Sequences of Marinobacter similis A3d10 ^T and Marinobacter salarius R9SW1 ^T. Genome Announcements, 2014, 2, .	0.8	7
134	Author contact details. , 2014, , ix.		0
135	Double-Locus Sequence Typing Using <i>porA</i> and <i>peb1A</i> for Epidemiological Studies of <i>Campylobacter jejuni</i>. Foodborne Pathogens and Disease, 2014, 11, 194-199.	1.8	2
136	Advanced bioactive and biodegradable ceramic biomaterials. , 2014, , 187-219.		2
137	Bioinert ceramic biomaterials: advanced applications. , 2014, , 173-186.		1
138	Advanced synthetic and hybrid polymer biomaterials derived from inorganic and mixed organicâ€“inorganic sources. , 2014, , 100-120.		2
139	Natural Insect and Plant Micro-/Nanostructured Surfaces: An Excellent Selection of Valuable Templates with Superhydrophobic and Self-Cleaning Properties. Molecules, 2014, 19, 13614-13630.	3.8	59
140	Three-dimensional reconstruction of surface nanoarchitecture from two-dimensional datasets. AMB Express, 2014, 4, 3.	3.0	3
141	Wettability of natural superhydrophobic surfaces. Advances in Colloid and Interface Science, 2014, 210, 58-64.	14.7	105
142	Introduction to biomaterials and implantable device design. , 2014, , 1-31.		2
143	Metallic biomaterials: types and advanced applications. , 2014, , 121-147.		19
144	Natural polymer biomaterials: advanced applications. , 2014, , 32-70.		22

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145	Advanced synthetic polymer biomaterials derived from organic sources. , 2014, , 71-99.		8
146	Investigation of bacterial attachment on hydroxyapatite-coated titanium and tantalum. International Journal of Surface Science and Engineering, 2014, 8, 255.	0.4	15
147	Nanotopography as a trigger for the microscale, autogenous and passive lysis of erythrocytes. Journal of Materials Chemistry B, 2014, 2, 2819-2826.	5.8	45
148	Genomes of <i>Alteromonas australica</i> , a world apart. BMC Genomics, 2014, 15, 483.	2.8	45
149	Cytotoxicity and biocompatibility of metallic biomaterials. , 2014, , 148-172.		8
150	The Family Methylocystaceae. , 2014, , 341-347.		38
151	The Family Pseudoalteromonadaceae. , 2014, , 575-582.		9
152	The Family Granulosicoccaceae. , 2014, , 315-317.		1
153	The Families Hahellaceae and Litricolaceae. , 2014, , 319-323.		1
154	Bactericidal activity of black silicon. Nature Communications, 2013, 4, 2838.	12.8	731
155	A time and cost efficient approach to functional and structural assessment of living neuronal tissue. Journal of Neuroscience Methods, 2013, 214, 105-112.	2.5	24
156	Plastic Degradation and Its Environmental Implications with Special Reference to Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	4.5	587
157	Bacterial attachment on sub-nanometrically smooth titanium substrata. Biofouling, 2013, 29, 163-170.	2.2	31
158	Selective bactericidal activity of nanopatterned superhydrophobic cicada <i>Psaltoda claripennis</i> wing surfaces. Applied Microbiology and Biotechnology, 2013, 97, 9257-9262.	3.6	270
159	Updating the taxonomic toolbox: classification of <i>Alteromonas</i> spp. using multilocus phylogenetic analysis and MALDI-TOF mass spectrometry. Antonie Van Leeuwenhoek, 2013, 103, 265-275.	1.7	13
160	Intrinsic microtubule GTP-cap dynamics in semi-confined systems: kinetochoreâ€“microtubule interface. Journal of Biological Physics, 2013, 39, 81-98.	1.5	2
161	Biophysical Model of Bacterial Cell Interactions with Nanopatterned Cicada Wing Surfaces. Biophysical Journal, 2013, 104, 835-840.	0.5	496
162	Cell response of anodized nanotubes on titanium and titanium alloys. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2726-2739.	4.0	159

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163	Antibacterial surfaces: the quest for a new generation of biomaterials. Trends in Biotechnology, 2013, 31, 295-304.	9.3	805
164	Dual role of outer epicuticular lipids in determining the wettability of dragonfly wings. Colloids and Surfaces B: Biointerfaces, 2013, 106, 126-134.	5.0	64
165	Alteromonas australica sp. nov., isolated from the Tasman Sea. Antonie Van Leeuwenhoek, 2013, 103, 877-884.	1.7	37
166	High-spatial-resolution mapping of superhydrophobic cicada wing surface chemistry using infrared microspectroscopy and infrared imaging at two synchrotron beamlines. Journal of Synchrotron Radiation, 2013, 20, 482-489.	2.4	24
167	Spinodal decomposition and the emergence of dissipative transient periodic spatio-temporal patterns in acentrosomal microtubule multitudes of different morphology. Chaos, 2013, 23, 023120.	2.5	1
168	Molecular Organization of the Nanoscale Surface Structures of the Dragonfly Hemianax papuensis Wing Epicuticle. PLoS ONE, 2013, 8, e67893.	2.5	61
169	Biological Performances of Titanium Scaffolds: A Review. Advanced Materials Research, 2012, 535-537, 1634-1637.	0.3	0
170	Air-directed attachment of coccoid bacteria to the surface of superhydrophobic lotus-like titanium. Biofouling, 2012, 28, 539-550.	2.2	125
171	Subpicosecond 41.8-nm X-ray laser in the plasma produced by femtosecond laser irradiation of a xenon cluster jet. Quantum Electronics, 2012, 42, 1100-1105.	1.0	4
172	Surface topographical factors influencing bacterial attachment. Advances in Colloid and Interface Science, 2012, 179-182, 142-149.	14.7	285
173	Evaluation of Current Molecular Approaches for Genotyping of <i>Campylobacter jejuni</i> Strains. Foodborne Pathogens and Disease, 2012, 9, 375-385.	1.8	23
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