

# Dan V Nicolau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6108113/publications.pdf>

Version: 2024-02-01

175  
papers

3,674  
citations

126907

33  
h-index

149698

56  
g-index

182  
all docs

182  
docs citations

182  
times ranked

4539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhaled budesonide in the treatment of early COVID-19 (STOIC): a phase 2, open-label, randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2021, 9, 763-772.	10.7	301
2	Inhaled budesonide for COVID-19 in people at high risk of complications in the community in the UK (PRINCIPLE): a randomised, controlled, open-label, adaptive platform trial. <i>Lancet</i> , 2021, 398, 843-855.	13.7	204
3	Conformational Spread as a Mechanism for Cooperativity in the Bacterial Flagellar Switch. <i>Science</i> , 2010, 327, 685-689.	12.6	176
4	Identifying Optimal Lipid Raft Characteristics Required To Promote Nanoscale Protein-Protein Interactions on the Plasma Membrane. <i>Molecular and Cellular Biology</i> , 2006, 26, 313-323.	2.3	174
5	Actin Motion on Microlithographically Functionalized Myosin Surfaces and Tracks. <i>Biophysical Journal</i> , 1999, 77, 1126-1134.	0.5	138
6	Sources of Anomalous Diffusion on Cell Membranes: A Monte Carlo Study. <i>Biophysical Journal</i> , 2007, 92, 1975-1987.	0.5	119
7	Parallel computation with molecular-motor-propelled agents in nanofabricated networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2591-2596.	7.1	116
8	<i>Sulfitobacter delicatus</i> sp. nov. and <i>Sulfitobacter dubius</i> sp. nov., respectively from a starfish ( <i>Stellaster equestris</i> ) and sea grass ( <i>Zostera marina</i> ). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 475-480.	1.7	104
9	Kinetic characterization of amyloid-beta 1&acirc42 aggregation with a multimethodological approach. <i>Analytical Biochemistry</i> , 2011, 414, 215-225.	2.4	103
10	<i>Formosa</i> algae gen. nov., sp. nov., a novel member of the family Flavobacteriaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 705-711.	1.7	89
11	Fungi Use Efficient Algorithms for the Exploration of Microfluidic Networks. <i>Small</i> , 2006, 2, 1212-1220.	10.0	72
12	<i>Marinobacter excellens</i> sp. nov., isolated from sediments of the Sea of Japan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 2073-2078.	1.7	69
13	Molecularly imprinted polymer membranes and thin films for the separation and sensing of biomacromolecules. <i>Journal of Separation Science</i> , 2017, 40, 314-335.	2.5	66
14	Low-Molecular-Weight, Biologically Active Compounds from Marine Pseudoalteromonas Species. <i>Current Microbiology</i> , 2004, 48, 441-6.	2.2	62
15	Protein Linear Molecular Motor-Powered Nanodevices. <i>Australian Journal of Chemistry</i> , 2007, 60, 314.	0.9	62
16	Negative and Positive Tone Protein Patterning on E-Beam/Deep-UV Resists. <i>Langmuir</i> , 1999, 15, 3845-3851.	3.5	58
17	Probing the growth dynamics of <i>Neurospora crassa</i> with microfluidic structures. <i>Fungal Biology</i> , 2011, 115, 493-505.	2.5	56
18	<i>Shewanella pacifica</i> sp. nov., a polyunsaturated fatty acid-producing bacterium isolated from sea water. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1083-1087.	1.7	54

#	ARTICLE	IF	CITATIONS
19	Molecular motors-based micro- and nano-biocomputation devices. <i>Microelectronic Engineering</i> , 2006, 83, 1582-1588.	2.4	53
20	<i>Shewanella fidelis</i> sp. nov., isolated from sediments and sea water. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 577-582.	1.7	51
21	The BAD project: data mining, database and prediction of protein adsorption on surfaces. <i>Lab on A Chip</i> , 2009, 9, 891-900.	6.0	51
22	Patterning neuronal and glia cells on light-assisted functionalised photoresists. <i>Biosensors and Bioelectronics</i> , 1999, 14, 317-325.	10.1	48
23	Inhaled corticosteroids in virus pandemics: a treatment for COVID-19?. <i>Lancet Respiratory Medicine</i> , 2020, 8, 846-847.	10.7	48
24	Microfluidics structures for probing the dynamic behaviour of filamentous fungi. <i>Microelectronic Engineering</i> , 2010, 87, 786-789.	2.4	46
25	<i>Pseudoalteromonas ruthenica</i> sp. nov., isolated from marine invertebrates.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 235-240.	1.7	46
26	<i>Shewanella waksmanii</i> sp. nov., isolated from a sipuncula ( <i>Phascolosoma japonicum</i> ). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1471-1477.	1.7	45
27	Characterization of <i>Pseudoalteromonas distincta</i> -like sea-water isolates and description of <i>Pseudoalteromonas aliena</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1431-1437.	1.7	42
28	Protein patterning by microcontact printing using pyramidal PDMS stamps. <i>Biomedical Microdevices</i> , 2016, 18, 9.	2.8	41
29	Ecophysiological Variabilities in Ectohydrolytic Enzyme Activities of Some <i>Pseudoalteromonas</i> Species, <i>P. citrea</i> , <i>P. issachenkonii</i> , and <i>P. nigrifaciens</i> . <i>Current Microbiology</i> , 2003, 46, 6-10.	2.2	39
30	Effects of polymer properties on laser ablation behaviour. <i>Smart Materials and Structures</i> , 2002, 11, 668-674.	3.5	38
31	<i>Shewanella affinis</i> sp. nov., isolated from marine invertebrates. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1089-1093.	1.7	38
32	<i>Bacillus algicola</i> sp. nov., a Novel Filamentous Organism Isolated From Brown Alga <i>Fucus evanescens</i> . <i>Systematic and Applied Microbiology</i> , 2004, 27, 301-307.	2.8	38
33	Intracellular mechanisms of fungal space searching in microenvironments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13543-13552.	7.1	36
34	<i>Staleyia guttiformis</i> attachment on poly(tert-butylmethacrylate) polymeric surfaces. <i>Micron</i> , 2008, 39, 1197-1204.	2.2	35
35	<i>Brevibacterium celere</i> sp. nov., isolated from degraded thallus of a brown alga. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 2107-2111.	1.7	34
36	Surface Hydrophobicity Modulates the Operation of Actomyosin-Based Dynamic Nanodevices. <i>Langmuir</i> , 2007, 23, 10846-10854.	3.5	34

#	ARTICLE	IF	CITATIONS
37	Modelling and simulation techniques for membrane biology. Briefings in Bioinformatics, 2007, 8, 234-244.	6.5	33
38	Polymer Microstructures Fabricated via Laser Ablation Used for Multianalyte Protein Microassay. Langmuir, 2002, 18, 9539-9546.	3.5	30
39	Occurrence and Diversity of Mesophilic Shewanella Strains Isolated from the North-West Pacific Ocean. Systematic and Applied Microbiology, 2003, 26, 293-301.	2.8	30
40	Early Th2 inflammation in the upper respiratory mucosa as a predictor of severe COVID-19 and modulation by early treatment with inhaled corticosteroids: a mechanistic analysis. Lancet Respiratory Medicine, 2022, 10, 545-556.	10.7	30
41	Motility of bacteria in microfluidic structures. Microelectronic Engineering, 2010, 87, 810-813.	2.4	27
42	Directional persistence and the optimality of run-and-tumble chemotaxis. Computational Biology and Chemistry, 2009, 33, 269-274.	2.3	24
43	Environmental factors in breast cancer invasion: a mathematical modelling review. Pathology, 2017, 49, 172-180.	0.6	23
44	Infection, inflammation and intervention: mechanistic modelling of epithelial cells in COVID-19. Journal of the Royal Society Interface, 2021, 18, 20200950.	3.4	22
45	Control of the neuronal cell attachment by functionality manipulation of diazo-naphthoquinone/novolak photoresist surface. Biosensors and Bioelectronics, 1996, 11, 1237-1252.	10.1	21
46	Manipulation of the Motility of Protein Molecular Motors on Microfabricated Substrates. Biomedical Microdevices, 2002, 4, 111-116.	2.8	21
47	Dual-phone illumination-imaging system for high resolution and large field of view multi-modal microscopy. Lab on A Chip, 2019, 19, 825-836.	6.0	21
48	Mapping Hydrophobicity on the Protein Molecular Surface at Atom-Level Resolution. PLoS ONE, 2014, 9, e114042.	2.5	21
49	Poly(l-lysine)-mediated immobilisation of oligonucleotides on carboxy-rich polymer surfaces. Biosensors and Bioelectronics, 2004, 19, 1363-1370.	10.1	20
50	A comparative study between the adsorption and covalent binding of human immunoglobulin and lysozyme on surface-modified poly(tert-butyl methacrylate). Biomedical Materials (Bristol), 2006, 1, 24-32.	3.3	20
51	Mathematical Models of Cancer Cell Plasticity. Journal of Oncology, 2019, 2019, 1-14.	1.3	19
52	Something has to give: scaling combinatorial computing by biological agents exploring physical networks encoding NP-complete problems. Interface Focus, 2018, 8, 20180034.	3.0	18
53	Feasibility of using carboxylic-rich polymeric surfaces for the covalent binding of oligonucleotides for microPCR applications. Smart Materials and Structures, 2002, 11, 783-791.	3.5	17
54	Tolerance to Cadmium of Free-Living and Associated with Marine Animals and Eelgrass Marine Gamma-Proteobacteria. Current Microbiology, 2002, 44, 357-362.	2.2	17

#	ARTICLE	IF	CITATIONS
55	Separation-Free Detection of Biological Molecules Based On Plasmon-Enhanced Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2151-2154.	13.8	17
56	Protein profiled features patterned via confocal microscopy. <i>Biosensors and Bioelectronics</i> , 2000, 15, 85-92.	10.1	16
57	Models of protein linear molecular motors for dynamic nanodevices. <i>Integrative Biology (United Tj ETQq1 1 0.784314 rgBT /Overlock</i>	1.3	16
58	Molecular modelling of Me <sup>2+</sup> - (8-hydroxy-quinolate) <sup>2-</sup> complexes using ZINDO and ESSF methods. <i>Journal of Molecular Graphics and Modelling</i> , 1998, 16, 83-96.	2.4	15
59	Stochastic simulation of chemical reactions in spatially complex media. <i>Computers and Mathematics With Applications</i> , 2008, 55, 1007-1018.	2.7	15
60	Microbeads on microposts: An inverted architecture for bead microarrays. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1850-1857.	10.1	14
61	Arrays of nano-structured surfaces to probe the adhesion and viability of bacteria. <i>Microelectronic Engineering</i> , 2012, 91, 39-43.	2.4	14
62	Conformational Spread in the Flagellar Motor Switch: A Model Study. <i>PLoS Computational Biology</i> , 2012, 8, e1002523.	3.2	13
63	Protein microarray spots are modulated by patterning method, surface chemistry and processing conditions. <i>Biosensors and Bioelectronics</i> , 2019, 130, 397-407.	10.1	13
64	Examining the behaviour of fungal cells in microconfined mazelike structures. <i>Proceedings of SPIE</i> , 2008, , .	0.8	12
65	Polymer surface properties control the function of heavy meromyosin in dynamic nanodevices. <i>Biosensors and Bioelectronics</i> , 2017, 93, 305-314.	10.1	12
66	Protein immobilisation on micro/nanostructures fabricated by laser microablation. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1337-1345.	10.1	11
67	The Selection of DNA Aptamers for Two Different Epitopes of Thrombin Was Not Due to Different Partitioning Methods. <i>Nucleic Acid Therapeutics</i> , 2013, 23, 88-92.	3.6	11
68	Simple adaptive mobile phone screen illumination for dual phone differential phase contrast (DPDPC) microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 4369.	2.9	11
69	Protein patterning via radiation-assisted surface functionalization of conventional microlithographic materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 155, 51-62.	4.7	10
70	Poly(amino acids) at Si-oxide interfaces?bio-colloidal interactions, adhesion and 'conformation'. <i>Colloid and Polymer Science</i> , 2003, 282, 56-63.	2.1	10
71	Tone Reversal of an AFM Lateral Force Image Due to Hybridization of Oligonucleotides Immobilized on Polymers. <i>Small</i> , 2005, 1, 610-613.	10.0	10
72	Line and two-dimensional fractal analysis of micrographs obtained by atomic force microscopy of surface-immobilized oligonucleotide nano-aggregates. <i>Applied Physics Letters</i> , 2005, 87, 223117.	3.3	10

#	ARTICLE	IF	CITATIONS
73	Actin Filament Motility Induced Variation of Resonance Frequency and Rigidity of Polymer Surfaces Studied by Quartz Crystal Microbalance. <i>Langmuir</i> , 2012, 28, 15033-15037.	3.5	9
74	<title>Database comprising biomolecular descriptors relevant to protein adsorption on microarray surfaces</title>. , 2002, , .		8
75	Micro-structures modulate bacterial cell viability and attachment. <i>Microelectronic Engineering</i> , 2009, 86, 1431-1434.	2.4	8
76	Control and gating of kinesin-microtubule motility on electrically heated thermo-chips. <i>Biomedical Microdevices</i> , 2014, 16, 459-63.	2.8	8
77	Confinement of water droplets on rectangular micro/nano-arrayed surfaces. <i>Lab on A Chip</i> , 2016, 16, 2487-2493.	6.0	8
78	Optimal Fungal Space Searching Algorithms. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 1-1.	3.3	8
79	Effect of physicochemical parameters on the stability and activity of garlic alliinase and its use for in-situ allicin synthesis. <i>PLoS ONE</i> , 2021, 16, e0248878.	2.5	8
80	Bacterial adhesion to toroidal nano-structures from poly(styrene)-block-poly(tert-butyl acrylate) diblock copolymer thin films. <i>Microelectronic Engineering</i> , 2010, 87, 715-718.	2.4	7
81	Surface-Controlled Properties of Myosin Studied by Electric Field Modulation. <i>Langmuir</i> , 2015, 31, 8354-8361.	3.5	7
82	Impact of Protein Adsorption on the Geometry of Microfluidics Devices. <i>Biomedical Microdevices</i> , 2003, 5, 227-233.	2.8	6
83	Scanning Probe Microscopy Studies of Surface-Immobilised DNA/Oligonucleotide Molecules. , 0, , 113-160.		6
84	Li-doped fullerene structures: a molecular modelling study. <i>Nanotechnology</i> , 2005, 16, 488-494.	2.6	6
85	Estimation of atomic hydrophobicities using molecular dynamics simulation of peptides. <i>Proceedings of SPIE</i> , 2007, 6799, 325.	0.8	6
86	Temporal and spatial in vivo optical analysis of microtubules in <i>Neurospora crassa</i> . , 2010, , .		6
87	Protein Molecular Surface Mapped at Different Geometrical Resolutions. <i>PLoS ONE</i> , 2013, 8, e58896.	2.5	6
88	AFM analysis of the extracellular polymeric substances (EPS) released during bacterial attachment on polymeric surfaces. , 2003, 4962, 151.		5
89	Simulation of the motility of filaments on surfaces functionalised with molecular motors. <i>Current Applied Physics</i> , 2004, 4, 316-319.	2.4	5
90	Dynamic behaviour of fungi in microfluidics: a comparative study. <i>Proceedings of SPIE</i> , 2009, , .	0.8	5

#	ARTICLE	IF	CITATIONS
91	Dynamic behaviour of microorganisms on microstructures. <i>Microelectronic Engineering</i> , 2009, 86, 1455-1458.	2.4	5
92	Microfabricated magnetic bead polydimethylsiloxane microarrays. <i>Microelectronic Engineering</i> , 2010, 87, 760-764.	2.4	5
93	Laser-assisted structuring of metal-polymer bilayers for protein patterning. <i>Microelectronic Engineering</i> , 2010, 87, 1190-1194.	2.4	5
94	Formal Semantics and Verification of Network-Based Bio-computation Circuits. <i>Lecture Notes in Computer Science</i> , 2021, , 464-485.	1.3	5
95	Surface topography and surface chemistry of radiation-patterned P(tBuMA) analysis by atomic force microscopy. <i>Polymer International</i> , 2003, 52, 1408-1414.	3.1	4
96	Extremotaxis™: Computing with a bacterial-inspired algorithm. <i>BioSystems</i> , 2008, 94, 47-54.	2.0	4
97	Bacterial motility behaviour in sub-ten micron wide geometries. , 2018, , .		4
98	Lensless, reflection-based dark-field microscopy (RDFM) on a CMOS chip. <i>Biomedical Optics Express</i> , 2020, 11, 4942.	2.9	4
99	Bio-Microlithography: UV- and E-beam Patterning of Bioactive Molecules.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 1996, 9, 645-652.	0.3	3
100	Oligonucleotide/poly(l-lysine) complexes attachment on poly(styrene/maleic acid) and poly(styrene/maleic anhydride) polymeric surfaces. , 2002, 4937, 23.		3
101	Actomyosin motility detection using quartz crystal microbalance. , 2005, 6036, 12.		3
102	Multi-threading protein surface functional description. , 2010, , .		3
103	Functional nanoscale imaging of protein surfaces. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
104	Fluorescence biosensing micropatterned surfaces based on immobilized human acetylcholinesterase. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 795-804.	3.7	3
105	Reply to Einarsson: The computational power of parallel network exploration with many bioagents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3188.	7.1	3
106	Bionanostructures built on e-beam-assisted functionalized polymer surfaces. , 1997, , .		2
107	<title>Simulation of the force-distance curves of atomic force microscopy for proteins by the Connolly surface approach</title>. , 2001, , .		2
108	<title>Model of protein adsorption to solid surfaces from solution</title>. , 2002, , .		2

#	ARTICLE	IF	CITATIONS
109	Simulation of the chemical storage of data via metal-ligand chelation. <i>Current Applied Physics</i> , 2004, 4, 312-315.	2.4	2
110	Electrophoretic control of actomyosin motility. , 2005, 5699, 196.		2
111	Effect of surface chemistry on in vitro actomyosin motility. , 2005, , .		2
112	Controlled Self-Assembly of Actin Filaments for Dynamic Biodevices. <i>Nanobiotechnology</i> , 2005, 1, 379-388.	1.2	2
113	Consequences of non-standard bleaching on microlithographic performance. <i>Microelectronic Engineering</i> , 2009, 86, 783-786.	2.4	2
114	Optimum time and space resolution for tracking motile nano-objects. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
115	A versatile modelling approach to determine the hydrophobicity of peptides at the atomic level. <i>Molecular Simulation</i> , 2016, 42, 257-269.	2.0	2
116	Design and fabrication of networks for bacterial computing. <i>New Journal of Physics</i> , 2021, 23, 085009.	2.9	2
117	Effects of defective motors on the active transport in biosensors powered by biomolecular motors. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114011.	10.1	2
118	<title>Computer-controlled laser ablation: a novel tool for biomolecular patterning</title>. , 2001, , .		1
119	Patterning biomolecules and cells: an upside-down microlithography. , 2002, , .		1
120	A novel biosensor for mercuric ions based on motor proteins. , 2004, , .		1
121	Biocomputation schemes based on the directed and directional movements of motile biological objects. , 2005, 5651, 134.		1
122	Fungal growth in confined microfabricated networks. , 2005, , .		1
123	Computing with motile bio-agents. , 2006, , .		1
124	Effect of various artificial surfaces on the colonization and viability of E. coli and S. aureus. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
125	Atomic force microscopy study on the attachment of E. coli and S. aureus to a patterned surface of different materials. , 2007, , .		1
126	Surface Hydrophobicity Modulates the Operation of Actomyosin-Based Dynamic Nanodevices. <i>Langmuir</i> , 2008, 24, 4420-4420.	3.5	1



#	ARTICLE	IF	CITATIONS
127	The effect of hydrophobicity of micro/nanostructured-surfaces on behaviours of water spreading. , 2008, , .		1
128	Influence of surface nanostructure on the extent of colonization and cell viability of E. coli and S. aureus. Proceedings of SPIE, 2008, , .	0.8	1
129	Self-assembly of biomolecules: AFM study of F-actin on unstructured and nanostructured surfaces. , 2009, , .		1
130	Protein surface analysis. Part 1: Hydrophobicity densities. , 2011, , .		1
131	Hyphal responses of Neurospora crassa to micron-sized beads with functional chemical surface groups. Proceedings of SPIE, 2011, , .	0.8	1
132	Protein Surface Functional Imaging. Materials Science Forum, 0, 721, 319-324.	0.3	1
133	Protein surface atom neighbourhoods classification. , 2012, , .		1
134	In-House Characterization Technique For Steppers. Proceedings of SPIE, 1989, 1088, 354.	0.8	0
135	Building artificial networks of protein molecular motors. , 1997, , .		0
136	Building artificial networks of neuronal cells with light-assisted polymer surface functionalization. , 1997, , .		0
137	<title>Response of the fluorescence of tagged proteins on light-assisted modified polymer surfaces</title>. , 2000, 4200, 49.		0
138	<title>Scaling relationship between laser ablation rates and polymer descriptors for polymers used in microfluidics</title>. , 2001, , .		0
139	<title>Computation of the true surface properties of proteins on the Connolly molecular surface</title>. , 2001, , .		0
140	<title>Controlling actin motility on microfabricated linear channels</title>. , 2001, , .		0
141	<title>Protein and cell patterning using bilayer lithography and confocal microscopy</title>. , 2001, , .		0
142	<title>Alternative designs for biosensors based on protein molecular motors</title>. , 2001, 4265, 50.		0
143	Surface characterization of oligonucleotides immobilized on polymer surfaces. , 2002, , .		0
144	<title>Radiation patterning of P(tBuMA-co-MMA) thin films for biosensor applications: characterization by scanning probe microscopy</title>. , 2002, , .		0

#	ARTICLE	IF	CITATIONS
145	Protein interaction with combinatorial structures. , 2002, 4937, 84.		0
146	Interactions of poly(amino acids) in aqueous solution with charged model surfaces- analysis by colloidal probe. , 2002, 4937, 274.		0
147	Nanolithography of polymer surfaces by Atomic Force Microscopy. , 2002, , .		0
148	AFM analysis of the polymer microstructures used for novel multianalyte protein microassay. , 2003, , .		0
149	Immobilization of multiple proteins in polymer microstructures fabricated via laser ablation. , 2003, , .		0
150	Stability of Li-carbon materials: a molecular modeling study. , 2004, , .		0
151	A mechanical model for the motility of actin filaments on myosin. , 2004, , .		0
152	An AFM study of the hierarchical DNA immobilization/hybridization processes on surfaces. , 2004, , .		0
153	Microlithographically fabricated bar-coded microarrays. , 2004, 5328, 49.		0
154	Microcontact printing trapping air: A versatile tool for protein microarray fabrication. , 2005, 6036, 219.		0
155	Modeling of the growth of filamentous fungi in artificial microstructures. , 2005, , .		0
156	AFM analysis of the formation of DNA aggregates on polymeric biochips. , 2005, , .		0
157	Polymer microstructures for cellular growth studies. , 2005, , .		0
158	Surface Hydrophobicity Modulates the Operation of Protein Molecular Motors. , 2006, , .		0
159	Adsorption-induced inactivation of heavy meromyosin on polymer surfaces imposes effective drag force on sliding actin filaments in vitro. , 2006, , .		0
160	Lateral force contrast for the detection of hydrophilic beads embedded within a PDMS surface. , 2006, , .		0
161	Microablation of gold nanolayers by direct write lithography. Journal of Physics: Conference Series, 2006, 34, 22-27.	0.4	0
162	Neural network prediction of protein adsorption. Proceedings of SPIE, 2007, , .	0.8	0

#	ARTICLE	IF	CITATIONS
163	A biomimetic algorithm for the improved detection of microarray features. , 2007, , .		0
164	A study on the atomic hydrophobicity of peptides in aqueous solutions using molecular dynamics modeling methods. Proceedings of SPIE, 2008, , .	0.8	0
165	Self-assembled diblock copolymer thin films for the analysis of bacteria-surface interactions. Proceedings of SPIE, 2008, , .	0.8	0
166	Database for protein adsorption: update on developments. , 2008, , .		0
167	AFM study of F-actin on chemically modified surfaces. , 2010, , .		0
168	Simulation of the nanostructuring of surfaces under ion-beam bombardment. Microelectronic Engineering, 2010, 87, 1455-1457.	2.4	0
169	Protein surface analysis. Part 2: Atom neighborhood clustering. , 2011, , .		0
170	Hydrophobicity and charge nanoscale imaging of protein surfaces. , 2012, , .		0
171	Protein patterning: a comparison of direct spotting versus microcontact printing. , 2015, , .		0
172	Determination of the persistence length of actin filaments on microcontact printed myosin patterns. , 2015, , .		0
173	Space Searching Algorithms Used by Fungi. , 2016, , .		0
174	Limits of Intelligence and Design Implication. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 215-229.	0.3	0
175	Agent-based modelling to study protocognition abilities of the tumour microenvironment (TME). AIP Conference Proceedings, 2022, , .	0.4	0