

Stefan Seeger

List of Publications by Year in descending order

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161
papers

10,361
citations

81434

41
h-index

37326

100
g-index

168
all docs

168
docs citations

168
times ranked

14343
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Staining of Silicone Micro- and Nanopatterns for Their Optical Imaging. <i>Langmuir</i> , 2022, 38, 231-243.	1.6	1
2	Printable and Versatile Superhydrophobic Paper via Scalable Nonsolvent Armor Strategy. <i>ACS Nano</i> , 2022, 16, 9442-9451.	7.3	6
3	Tunable bulk material with robust and renewable superhydrophobicity designed via in-situ loading of surface-wrinkled microparticles. <i>Chemical Engineering Journal</i> , 2021, 408, 127301.	6.6	13
4	Holistic evaluation of the suitability of metal alloys for sustainable marine construction from a technical, economic and availability perspective. <i>Ocean Engineering</i> , 2021, 219, 108378.	1.9	19
5	Immobilization of <i>Candida antarctica</i> Lipase B on Silicone Nanofilaments. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-8.	1.5	1
6	Silicone nanofilaments grown on aircraft alloys for low ice adhesion. <i>Surface and Coatings Technology</i> , 2021, 410, 126971.	2.2	13
7	Assessing the long-term potential of fiber reinforced polymer composites for sustainable marine construction. <i>Journal of Ocean Engineering and Marine Energy</i> , 2021, 7, 129-144.	0.9	7
8	Silicone Nanofilament Support Layers in an Open-Channel System for the Fast Reduction of Para-Nitrophenol. <i>Nanomaterials</i> , 2021, 11, 1663.	1.9	1
9	Coral-like silicone nanofilament coatings with extremely low ice adhesion. <i>Scientific Reports</i> , 2021, 11, 20427.	1.6	4
10	From resources to research—a framework for identification and prioritization of materials research for sustainable construction. <i>Materials Today Sustainability</i> , 2020, 7-8, 100009.	1.9	9
11	All-organic fluorine-free superhydrophobic bulk material with mechanochemical robustness and photocatalytic functionality. <i>Chemical Engineering Journal</i> , 2020, 385, 123969.	6.6	30
12	Droplet assisted growth and shaping of alumina and mixed alumina-silicone 1-dimensional nanostructures. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 77-84.	5.0	2
13	Structure Analysis of Amyloid Aggregates at Lipid Bilayers by Supercritical Angle Raman Microscopy. <i>Analytical Chemistry</i> , 2020, 92, 4963-4970.	3.2	2
14	Solvent-Free Fabrication of Flexible and Robust Superhydrophobic Composite Films with Hierarchical Micro/Nanostructures and Durable Self-Cleaning Functionality. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44691-44699.	4.0	27
15	Amyloid- β Peptide-Lipid Bilayer Interaction Investigated by Supercritical Angle Fluorescence. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4776-4786.	1.7	7
16	A SuperLEphilic/Superhydrophobic and Thermostable Separator Based on Silicone Nanofilaments for Li Metal Batteries. <i>IScience</i> , 2019, 16, 420-432.	1.9	35
17	Hierarchical Structured Multifunctional Self-Cleaning Material with Durable Superhydrophobicity and Photocatalytic Functionalities. <i>Small</i> , 2019, 15, e1901822.	5.2	83
18	Morphology Tuneable and Multifunctional Polystyrene-Silicone Nano-Composite Materials. <i>ChemNanoMat</i> , 2019, 5, 964-971.	1.5	1

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19	Addressing global environmental megatrends by decoupling the causal chain through floating infrastructure. <i>Futures</i> , 2019, 113, 102420.	1.4	3
20	Room-Temperature Synthesis of Germanium Oxide Nanofilaments and Their Potential Use as Luminescent Self-Cleaning Surfaces. <i>ChemPhysChem</i> , 2019, 20, 510-510.	1.0	1
21	Chemically Resistant, Electric Conductive, and Superhydrophobic Coatings. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900041.	1.9	13
22	Eco-Efficient Process Improvement at the Early Development Stage: Identifying Environmental and Economic Process Hotspots for Synergetic Improvement Potential. <i>Environmental Science & Technology</i> , 2018, 52, 5959-5967.	4.6	11
23	Predicting the environmental impact of a future nanocellulose production at industrial scale: Application of the life cycle assessment scale-up framework. <i>Journal of Cleaner Production</i> , 2018, 174, 283-295.	4.6	132
24	Systematic parametric investigation on the CVD process of polysiloxane nano- and microstructures. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	8
25	Room Temperature Synthesis of Germanium Oxide Nanofilaments and Their Potential Use as Luminescent Self-Cleaning Surfaces. <i>ChemPhysChem</i> , 2018, 20, 538-544.	1.0	5
26	Reduced bacterial colonisation on surfaces coated with silicone nanostructures. <i>Applied Surface Science</i> , 2018, 459, 505-511.	3.1	12
27	Environmental assessment of alternative methanesulfonic acid production using direct activation of methane. <i>Journal of Cleaner Production</i> , 2018, 202, 1179-1191.	4.6	7
28	Directed In Situ Shaping of Complex Nano- and Microstructures during Chemical Synthesis. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600558.	2.0	26
29	Silicone Nanofilament-Supported Mixed Nickel-Metal Oxides for Alkaline Water Electrolysis. <i>Journal of the Electrochemical Society</i> , 2017, 164, F203-F208.	1.3	7
30	Supercritical angle fluorescence as a tool to study the interaction between lipid bilayer and peptides. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
31	Hydroxyapatite Biomineralization on Functionalized Silicone Nanofilaments. <i>Colloids and Interface Science Communications</i> , 2017, 16, 1-5.	2.0	8
32	A Facile, Sustainable Strategy towards the Preparation of Silicone Nanofilaments and Their Use as Antiwetting Coatings. <i>ChemistrySelect</i> , 2017, 2, 5463-5468.	0.7	7
33	Functional Silver-Silicone-Nanofilament-Composite Material for Water Disinfection. <i>Small</i> , 2017, 13, 1601072.	5.2	13
34	Supercritical angle Raman microscopy: a surface-sensitive nanoscale technique without field enhancement. <i>Light: Science and Applications</i> , 2017, 6, e17066-e17066.	7.7	6
35	From laboratory to industrial scale: a scale-up framework for chemical processes in life cycle assessment studies. <i>Journal of Cleaner Production</i> , 2016, 135, 1085-1097.	4.6	325
36	Simultaneous Surface-Near and Solution Fluorescence Correlation Spectroscopy. <i>Journal of Fluorescence</i> , 2016, 26, 753-756.	1.3	6

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37	Multi-perspective application selection: a method to identify sustainable applications for new materials using the example of cellulose nanofiber reinforced composites. <i>Journal of Cleaner Production</i> , 2016, 112, 1199-1210.	4.6	24
38	Ä–l/WasserÄ–Trennung mit selektiven superabweisenden/superbenetzbaren OberflÄ–chenmaterialien. <i>Angewandte Chemie</i> , 2015, 127, 2358-2368.	1.6	32
39	Multifunctional Hybrid Porous MicroÄ–Nanocomposite Materials. <i>Advanced Materials</i> , 2015, 27, 7775-7781.	11.1	55
40	Silicone Nanofilament Supported Nickel Oxide: A New Concept for Oxygen Evolution Catalysts in Water Electrolyzers. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500216.	1.9	10
41	Î±-Synuclein Insertion into Supported Lipid Bilayers As Seen by in Situ X-ray Reflectivity. <i>ACS Chemical Neuroscience</i> , 2015, 6, 374-379.	1.7	7
42	Robust superhydrophobic wood obtained by spraying silicone nanoparticles. <i>RSC Advances</i> , 2015, 5, 21999-22004.	1.7	40
43	Life Cycle Assessment of a New Technology To Extract, Functionalize and Orient Cellulose Nanofibers from Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1047-1055.	3.2	69
44	Solid supported lipid bilayers from artificial and natural lipid mixtures â€œ long-term stable, homogeneous and reproducible. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6046-6056.	2.9	11
45	Oil/Water Separation with Selective Superantwetting/Superwetting Surface Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2328-2338.	7.2	1,078
46	Nanocatalysis: Academic Discipline and Industrial Realities. <i>Journal of Nanotechnology</i> , 2014, 2014, 1-19.	1.5	52
47	Evaporation-Induced Transition from <i>Nepenthes</i> Pitcher-Inspired Slippery Surfaces to Lotus Leaf-Inspired Superoleophobic Surfaces. <i>Langmuir</i> , 2014, 30, 14292-14299.	1.6	82
48	Future pharmaceutical research: the need to look beyond science. <i>Future Medicinal Chemistry</i> , 2014, 6, 721-723.	1.1	1
49	One-dimensional silicone nanofilaments. <i>Advances in Colloid and Interface Science</i> , 2014, 209, 144-162.	7.0	40
50	Superamphiphobic surfaces. <i>Chemical Society Reviews</i> , 2014, 43, 2784-2798.	18.7	525
51	Protein Biomineralized Nanoporous Inorganic Mesocrystals with Tunable Hierarchical Nanostructures. <i>Journal of the American Chemical Society</i> , 2014, 136, 15781-15786.	6.6	55
52	Three-Dimensional Organization of Surface-Bound Silicone Nanofilaments Revealed by Focused Ion Beam Nanotomography. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24967-24975.	1.5	18
53	<i>Nepenthes</i> Pitcher Inspired AntiÄ–Wetting Silicone Nanofilaments Coatings: Preparation, Unique AntiÄ–Wetting and SelfÄ–Cleaning Behaviors. <i>Advanced Functional Materials</i> , 2014, 24, 1074-1080.	7.8	156
54	Universal self-assembly of organosilanes with long alkyl groups into silicone nanofilaments. <i>Polymer Chemistry</i> , 2014, 5, 1132-1139.	1.9	24

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55	Tax revenue accruing from the commercialization of research findings as an indicator for economic benefits of government financed research. <i>Research Evaluation</i> , 2014, 23, 233-248.	1.3	1
56	Superficial Dopants Allow Growth of Silicone Nanofilaments on Hydroxyl-Free Substrates. <i>Langmuir</i> , 2014, 30, 10308-10316.	1.6	7
57	Solvent-controlled growth of silicone nanofilaments. <i>RSC Advances</i> , 2014, 4, 33424-33430.	1.7	7
58	Superwetting Double-Layer Polyester Materials for Effective Removal of Both Insoluble Oils and Soluble Dyes in Water. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11581-11588.	4.0	109
59	Virtual pharmaceutical companies: collaborating flexibly in pharmaceutical development. <i>Drug Discovery Today</i> , 2014, 19, 348-355.	3.2	11
60	On-Surface Aggregation of β -Synuclein at Nanomolar Concentrations Results in Two Distinct Growth Mechanisms. <i>ACS Chemical Neuroscience</i> , 2013, 4, 408-417.	1.7	61
61	Polysiloxane Nanotubes. <i>Chemistry of Materials</i> , 2013, 25, 2787-2792.	3.2	41
62	Direct observation of selective protein capturing on molecular imprinting substrates. <i>Biosensors and Bioelectronics</i> , 2013, 40, 96-101.	5.3	27
63	Silica/Silicone Nanofilament Hybrid Coatings with Almost Perfect Superhydrophobicity. <i>ChemPhysChem</i> , 2013, 14, 1646-1651.	1.0	25
64	Fast and Sensitive Interferon- β Assay Using Supercritical Angle Fluorescence. <i>Biosensors</i> , 2013, 3, 108-115.	2.3	3
65	Industrial production quantities and uses of ten engineered nanomaterials in Europe and the world. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	1,018
66	A superoleophobic textile repellent towards impacting drops of alkanes. <i>Applied Surface Science</i> , 2012, 258, 3835-3840.	3.1	69
67	Tackling Sample-Related Artifacts in Membrane FCS Using Parallel SAF and UAF Detection. <i>ChemPhysChem</i> , 2012, 13, 3655-3660.	1.0	5
68	Scale-Up of a Reaction Chamber for Superhydrophobic Coatings Based on Silicone Nanofilaments. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2631-2636.	1.8	33
69	Photocatalytic Composites of Silicone Nanofilaments and TiO ₂ Nanoparticles. <i>Advanced Functional Materials</i> , 2012, 22, 4433-4438.	7.8	36
70	Supercritical Angle Fluorescence Immunoassay Platform. <i>Analytical Chemistry</i> , 2011, 83, 2345-2350.	3.2	17
71	Multidonor Deep-UV FRET Study of Protein-Ligand Binding and Its Potential to Obtain Structure Information. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13643-13649.	1.2	10
72	Mechanism of Membrane Interaction and Disruption by β -Synuclein. <i>Journal of the American Chemical Society</i> , 2011, 133, 19366-19375.	6.6	198

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73	Simultaneous near-field and far-field fluorescence microscopy of single molecules. <i>Optics Express</i> , 2011, 19, 6836.	1.7	16
74	Polyester Materials with Superwetting Silicone Nanofilaments for Oil/Water Separation and Selective Oil Absorption. <i>Advanced Functional Materials</i> , 2011, 21, 4699-4704.	7.8	746
75	Superhydrophobic Materials: Polyester Materials with Superwetting Silicone Nanofilaments for Oil/Water Separation and Selective Oil Absorption (<i>Adv. Funct. Mater.</i> 24/2011). <i>Advanced Functional Materials</i> , 2011, 21, 4632-4632.	7.8	4
76	Superoleophobic Coatings with Ultralow Sliding Angles Based on Silicone Nanofilaments. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6652-6656.	7.2	377
77	Understanding protein adsorption phenomena at solid surfaces. <i>Advances in Colloid and Interface Science</i> , 2011, 162, 87-106.	7.0	1,289
78	Nanotechnology in the market: promises and realities. <i>International Journal of Nanotechnology</i> , 2011, 8, 592.	0.1	39
79	Micropatterning of superhydrophobic silicone nanofilaments by a near-ultraviolet Nd:YAG laser. <i>Nano Research</i> , 2010, 3, 889-894.	5.8	31
80	Monitoring peptide-surface interaction by means of molecular dynamics simulation. <i>Chemical Physics</i> , 2010, 378, 73-81.	0.9	11
81	Autofluorescence Detection in Analytical Chemistry and Biochemistry. <i>Applied Spectroscopy Reviews</i> , 2010, 45, 12-43.	3.4	27
82	Understanding Cooperative Protein Adsorption Events at the Microscopic Scale: A Comparison between Experimental Data and Monte Carlo Simulations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5862-5869.	1.2	25
83	Nanometer Axial Resolution by Three-Dimensional Supercritical Angle Fluorescence Microscopy. <i>Physical Review Letters</i> , 2010, 105, 108103.	2.9	53
84	Rapid analysis of serotonin and propranolol using miniaturized CE with deep-UV fluorescence detector. <i>Electrophoresis</i> , 2009, 30, 2565-2571.	1.3	18
85	Rapid analysis and sensitive detection of dl-tryptophan by using shorter capillary column coupled with deep-UV fluorescence detector. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3753-3756.	1.2	13
86	Deep UV sensing of the interaction of porphyrin with bovine serum albumin protein. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 118-124.	4.0	15
87	Surface-induced spreading phenomenon of protein clusters. <i>Soft Matter</i> , 2009, 5, 1039.	1.2	41
88	Direct Determination of Native Proteins in Miniaturized Capillary Electrophoresis System. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2645-2650.	0.9	8
89	Investigating Alanine-Silica Interaction by Means of First-Principles Molecular Dynamics Simulations. <i>ChemPhysChem</i> , 2008, 9, 414-421.	1.0	35
90	A Simple, One-Step Approach to Durable and Robust Superhydrophobic Textiles. <i>Advanced Functional Materials</i> , 2008, 18, 3662-3669.	7.8	558

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91	Patterned superfunctional surfaces based on a silicone nanofilament coating. <i>Soft Matter</i> , 2008, 4, 450.	1.2	131
92	Superhydrophobic Silicone Nanofilament Coatings. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 251-263.	1.4	43
93	Functionalized Silicone Nanofilaments: A Novel Material for Selective Protein Enrichment. <i>Langmuir</i> , 2008, 24, 1053-1057.	1.6	46
94	Surface Organization and Cooperativity during Nonspecific Protein Adsorption Events. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13971-13980.	1.2	48
95	A Smart Recipe of Chemistry and Management. <i>Chimia</i> , 2008, 62, 122-125.	0.3	0
96	Ultrasensitive Staining-Free Protein Detection After PAA Gel Electrophoresis Using Deep UV Fluorescence. <i>Protein and Peptide Letters</i> , 2007, 14, 712-715.	0.4	6
97	Parallel two-channel near- and far-field fluorescence microscopy. <i>Journal of Biomedical Optics</i> , 2007, 12, 034012.	1.4	14
98	A Comprehensive Study of Concepts and Phenomena of the Nonspecific Adsorption of β -Lactoglobulin. <i>ChemPhysChem</i> , 2007, 8, 862-872.	1.0	51
99	Long term studies on the chemical stability of a superhydrophobic silicone nanofilament coating. <i>Applied Surface Science</i> , 2007, 253, 5972-5979.	3.1	90
100	Long term environmental durability of a superhydrophobic silicone nanofilament coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 234-240.	2.3	84
101	Label-free detection of protein interactions using deep UV fluorescence lifetime microscopy. <i>Analytical Biochemistry</i> , 2007, 367, 104-110.	1.1	15
102	Metabolic Characterization of Tumor Cell-specific Protoporphyrin IX Accumulation After Exposure to 5-Aminolevulinic Acid in Human Colonic Cells. <i>Photochemistry and Photobiology</i> , 2007, 76, 518-525.	1.3	4
103	Von der Innovationsflut zum wirtschaftlichen Erfolg. , 2007, , 111-129.		5
104	Label-Free Detection of Single Protein Molecules Using Deep UV Fluorescence Lifetime Microscopy. <i>Analytical Chemistry</i> , 2006, 78, 2732-2737.	3.2	27
105	Label-Free Detection of Single Native Proteins: Ultimate Sensitivity and Convenience. <i>Chimia</i> , 2006, 60, 854-854.	0.3	1
106	Towards single-molecule DNA sequencing: Assays with low nonspecific adsorption. <i>Analytical Biochemistry</i> , 2006, 349, 181-185.	1.1	13
107	Supercritical angle fluorescence biosensor for the detection of molecular interactions on cellulose-modified glass surfaces. <i>Applied Surface Science</i> , 2006, 252, 7788-7793.	3.1	4
108	Biotin-Functionalized Cellulose-Based Monolayers as Sensitive Interfaces for the Detection of Single Molecules. <i>ChemBioChem</i> , 2006, 7, 900-903.	1.3	14

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109	Conformational Reorientation of Immunoglobulin G During Nonspecific Interaction with Surfaces. <i>ChemPhysChem</i> , 2006, 7, 837-846.	1.0	36
110	Silicone Nanofilaments and Their Application as Superhydrophobic Coatings. <i>Advanced Materials</i> , 2006, 18, 2758-2762.	11.1	334
111	Lateral structural variations in thin cellulose layers investigated by microbeam grazing incidence small-angle X-ray scattering. <i>Physica B: Condensed Matter</i> , 2005, 357, 190-192.	1.3	15
112	Confocal reader for biochip screening and fluorescence microscopy. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1872-1877.	5.3	15
113	Real-Time Detection of Polymerase Activity Using Supercritical Angle Fluorescence. <i>Journal of Fluorescence</i> , 2004, 14, 75-78.	1.3	4
114	FRET Studies of the Interaction of Dimeric Cyanine Dyes with DNA. <i>Journal of Fluorescence</i> , 2004, 14, 187-191.	1.3	31
115	Fast Detection of Single Nucleotide Polymorphisms (SNPs) by Primer Elongation with Monitoring of Supercritical-Angle Fluorescence. <i>ChemBioChem</i> , 2004, 5, 1680-1685.	1.3	15
116	Deep-UV Laser-Based Fluorescence Lifetime Imaging Microscopy of Single Molecules. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8324-8329.	1.2	41
117	Attoliter detection volumes by confocal total-internal-reflection fluorescence microscopy. <i>Optics Letters</i> , 2004, 29, 569.	1.7	63
118	Real-time Detection of Nucleotide Incorporation During Complementary DNA Strand Synthesis. <i>ChemBioChem</i> , 2003, 4, 589-592.	1.3	13
119	Surface tension properties of surface-coatings for application in biodiagnostics determined by contact angle measurements. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 30, 177-186.	2.5	79
120	Highly sensitive biosensing using a supercritical angle fluorescence (SAF) instrument. <i>Biosensors and Bioelectronics</i> , 2003, 18, 1193-1199.	5.3	58
121	Confocal total-internal-reflection fluorescence microscopy with a high-aperture parabolic mirror lens. <i>Applied Optics</i> , 2003, 42, 3277.	2.1	30
122	Sizing of single fluorescently stained DNA fragments by scanning microscopy. <i>Nucleic Acids Research</i> , 2003, 31, 138e-138.	6.5	14
123	Confocal TIRF microscopy of single molecules. , 2003, , .		1
124	Metabolic Characterization of Tumor Cell-specific Protoporphyrin IX Accumulation After Exposure to 5-Aminolevulinic Acid in Human Colonic Cells. <i>Photochemistry and Photobiology</i> , 2002, 76, 518.	1.3	114
125	<title>Quantitative fluorescence spectroscopy of single molecules on surfaces</title>. , 2000, 3922, 123.		0
126	Single Molecule Detection at Interfaces for Applications in High Throughput Screening. <i>Journal of the Association for Laboratory Automation</i> , 2000, 5, 69-73.	2.8	0

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127	Forbidden Light Detection from Single Molecules. <i>Analytical Chemistry</i> , 2000, 72, 2117-2123.	3.2	76
128	Fluorimetric multiparameter cell assay at the single cell level fabricated by optical tweezers. <i>FEBS Letters</i> , 1999, 443, 337-340.	1.3	22
129	Highly efficient optical detection of surface-generated fluorescence. <i>Applied Optics</i> , 1999, 38, 724.	2.1	155
130	Highly efficient optical detection of surface-generated fluorescence. , 1999, , .		0
131	<title>Optical tweezers as tools for studying molecular interactions at surfaces</title>. , 1999, 3604, 90.		1
132	<title>Comparison between a conventional epifluorescence microscope and a new highly efficient evanescent wave detector in single-molecule spectroscopic applications</title>. , 1999, , .		0
133	Ultrathin Cellulose-Based Layers for Detection of Single Antigen Molecules. <i>Advanced Materials</i> , 1998, 10, 1005-1009.	11.1	41
134	Counting of Single Protein Molecules at Interfaces and Application of This Technique in Early-Stage Diagnosis. <i>Analytical Chemistry</i> , 1998, 70, 3202-3205.	3.2	34
135	Immobilization of Biomolecules on Langmuir-Blodgett Films of Regenerative Cellulose Derivatives. <i>Langmuir</i> , 1998, 14, 2786-2789.	1.6	39
136	<title>Optical tweezers as a tool for the functional analysis of neuronal cell membrane receptors</title>. , 1998, 3199, 156.		0
137	<title>Detection of single protein molecules at interfaces after antibody-antigen binding</title>. , 1998, 3199, 168.		1
138	Ultrathin Cellulose-Based Layers for Detection of Single Antigen Molecules. <i>Advanced Materials</i> , 1998, 10, 1005-1009.	11.1	1
139	<title>Cellulose protein films for highly specific evanescent wave immunosensors</title>. , 1996, , .		1
140	<title>Cellulose antibody films for highly specific evanescent wave immunosensors</title>. , 1996, , .		1
141	<title>Ultrathin oligonucleotide layers for fluorescence-based DNA sensors</title>. , 1996, 2928, 220.		3
142	<title>Detection of the tumor marker mucine with a diode-laser-based evanescent wave sensor</title>. , 1996, , .		0
143	<title>Using luminescent ruthenium(II) complexes as dyes in the multiplex concept</title>. , 1996, , .		0
144	<title>Immobilized fluorescent dyes for sensitive pH measurements on enamel surfaces with fiber optics</title>. , 1996, , .		0

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145	<title>Cell patterns for biosensors manufactured with laser tweezers</title>. , 1996, , .		1
146	<title>In vitro phototoxicity of a new phthalocyanine-immunoconjugate for use in photodynamic therapy</title>. , 1996, 2924, 153.		2
147	Fluorescence pattern recognition for ultrasensitive molecule identification: comparison of experimental data and theoretical approximations. Chemical Physics Letters, 1996, 250, 355-360.	1.2	51
148	Adsorption of alkyl-trichlorosilanes on glass and silicon: a comparative study using sum-frequency spectroscopy and XPS. Thin Solid Films, 1996, 289, 272-281.	0.8	22
149	<title>Approaches from a single- to a multiparameter evanescent wave sensor</title>. , 1996, 2629, 96.		0
150	<title>Ultrathin antibody networks for detection of antigens</title>. , 1995, 2331, 50.		0
151	One-step immobilization of immunoglobulin G and potential of the method for application in immunosensors. Sensors and Actuators B: Chemical, 1995, 28, 143-149.	4.0	9
152	Use of diode lasers in an evanescent wave immunosensor for stationary and time-resolved detection of antigens. Sensors and Actuators B: Chemical, 1995, 29, 293-299.	4.0	9
153	An All-Solid-State Flow Cytometer for Counting Fluorescent Microspheres. Analytical Chemistry, 1995, 67, 2666-2671.	3.2	32
154	<title>Design of multiplex dyes for the detection of different biomolecules</title>. , 1994, , .		9
155	Optical determination of pH on surfaces using immobilized Fluorescent dyes. Journal of Fluorescence, 1994, 4, 45-48.	1.3	4
156	Direct immobilization of antibodies on phthalocyaninato-polysiloxane photopolymers. Thin Solid Films, 1994, 245, 206-210.	0.8	13
157	Sensitive fluorescence detection in capillary electrophoresis using laser diodes and multiplex dyes. Journal of Luminescence, 1994, 62, 101-108.	1.5	27
158	Laser Applications in Chemistry and Biology: Stimulation, Observation, and Manipulation. Israel Journal of Chemistry, 1994, 34, 5-18.	1.0	24
159	<title>Biodiagnostics with multiplex dyes</title>. , 1994, 2136, 75.		3
160	Design of Multiplex Dyes. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 1734-1737.	0.9	14
161	Ultrasensitive fluorescence detection at surfaces: Instrument development, surface chemistry, and applications in life science and medicine. Comprehensive Series in Photochemical and Photobiological Sciences, 0, , 609-640.	0.3	0