

Benjamin L Miller

List of Publications by Year in descending order

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217
papers

7,628
citations

53794

45
h-index

62596

80
g-index

230
all docs

230
docs citations

230
times ranked

8756
citing authors

#	ARTICLE	IF	CITATIONS
1	A multimodal RAGE-specific inhibitor reduces amyloid β -mediated brain disorder in a mouse model of Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2012, 122, 1377-1392.	8.2	507
2	Synthesis at the molecular frontier. <i>Nature</i> , 2009, 460, 197-201.	27.8	489
3	A Mild and Efficient One-Step Synthesis of Quinolines. <i>Organic Letters</i> , 2003, 5, 4257-4259.	4.6	297
4	Identification of Gram Negative Bacteria Using Nanoscale Silicon Microcavities. <i>Journal of the American Chemical Society</i> , 2001, 123, 11797-11798.	13.7	263
5	Hybridization-Based Unquenching of DNA Hairpins on Au Surfaces: A Prototypical "Molecular Beacon" Biosensors. <i>Journal of the American Chemical Society</i> , 2003, 125, 4012-4013.	13.7	229
6	Sensitivity and Specificity of Metal Surface-Immobilized "Molecular Beacon" Biosensors. <i>Journal of the American Chemical Society</i> , 2005, 127, 7932-7940.	13.7	208
7	Dynamic Combinatorial Selection of Molecules Capable of Inhibiting the (CUG) Repeat RNA ⁺ MBNL1 Interaction In Vitro: Discovery of Lead Compounds Targeting Myotonic Dystrophy (DM1). <i>Journal of the American Chemical Society</i> , 2008, 130, 16254-16261.	13.7	177
8	iPfam: a database of protein family and domain interactions found in the Protein Data Bank. <i>Nucleic Acids Research</i> , 2014, 42, D364-D373.	14.5	156
9	Direct Determination of Thiol pK _a by Isothermal Titration Microcalorimetry. <i>Journal of the American Chemical Society</i> , 2004, 126, 10508-10509.	13.7	143
10	Cross-Correlation of Optical Microcavity Biosensor Response with Immobilized Enzyme Activity. Insights into Biosensor Sensitivity. <i>Analytical Chemistry</i> , 2005, 77, 3222-3230.	6.5	131
11	Nanoscale silicon microcavities for biosensing. <i>Materials Science and Engineering C</i> , 2001, 15, 277-282.	7.3	125
12	Recent advancements in optical DNA biosensors: Exploiting the plasmonic effects of metal nanoparticles. <i>Analyst</i> , The, 2011, 136, 436-447.	3.5	121
13	Acetazolamide for central serous retinopathy. <i>Ophthalmology</i> , 2002, 109, 1723-1725.	5.2	117
14	Generation of novel DNA-binding compounds by selection and amplification from self-assembled combinatorial libraries. <i>Tetrahedron Letters</i> , 1997, 38, 8639-8642.	1.4	108
15	<i>Salmonella</i> / <i>Typhimurium</i> Infections Associated with Peanut Products. <i>New England Journal of Medicine</i> , 2011, 365, 601-610.	27.0	107
16	Pharmacokinetics and Safety of Intravenous Ceftolozane-Tazobactam in Healthy Adult Subjects following Single and Multiple Ascending Doses. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3086-3091.	3.2	107
17	Silicon photonic crystal nanocavity-coupled waveguides for error-corrected optical biosensing. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4024-4031.	10.1	99
18	Label-Free DNA Detection on Nanostructured Ag Surfaces. <i>ACS Nano</i> , 2009, 3, 2265-2273.	14.6	98

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19	Enzyme Immobilization in Porous Silicon: Quantitative Analysis of the Kinetic Parameters for Glutathione-S-transferases. <i>Analytical Chemistry</i> , 2005, 77, 1950-1956.	6.5	97
20	Label-Free Quantitative Detection of Protein Using Macroporous Silicon Photonic Bandgap Biosensors. <i>Analytical Chemistry</i> , 2007, 79, 1502-1506.	6.5	97
21	Identification of a Selective Small-Molecule Ligand for HIV-1 Frameshift-Inducing Stem-Loop RNA from an 11,325 Member Resin Bound Dynamic Combinatorial Library. <i>Journal of the American Chemical Society</i> , 2007, 129, 11306-11307.	13.7	92
22	Multicenter, Double-Blind, Randomized, Phase II Trial To Assess the Safety and Efficacy of Ceftolozane-Tazobactam plus Metronidazole Compared with Meropenem in Adult Patients with Complicated Intra-Abdominal Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5350-5357.	3.2	91
23	Two-dimensional photonic crystals for sensitive microscale chemical and biochemical sensing. <i>Lab on A Chip</i> , 2015, 15, 971-990.	6.0	90
24	Haptoglobin Genotype Is a Regulator of Reverse Cholesterol Transport in Diabetes In Vitro and In Vivo. <i>Circulation Research</i> , 2006, 99, 1419-1425.	4.5	83
25	RNA-Selective Coordination Complexes Identified via Dynamic Combinatorial Chemistry. <i>Journal of the American Chemical Society</i> , 2001, 123, 7455-7456.	13.7	81
26	Comparative study of solution phase and vapor phase deposition of aminosilanes on silicon dioxide surfaces. <i>Materials Science and Engineering C</i> , 2014, 35, 283-290.	7.3	80
27	Autosomal-Recessive Early-Onset Retinitis Pigmentosa Caused by a Mutation in PDE6G, the Gene Encoding the Gamma Subunit of Rod cGMP Phosphodiesterase. <i>American Journal of Human Genetics</i> , 2010, 87, 258-264.	6.2	74
28	Antimicrobial silver-hydroxyapatite composite coatings through two-stage electrochemical synthesis. <i>Surface and Coatings Technology</i> , 2016, 301, 13-19.	4.8	74
29	Quantitative Assessment of Enzyme Immobilization Capacity in Porous Silicon. <i>Analytical Chemistry</i> , 2004, 76, 6915-6920.	6.5	71
30	Immunosensor-based label-free and multiplex detection of influenza viruses: State of the art. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111476.	10.1	71
31	From dynamic combinatorial "hit" to lead: in vitro and in vivo activity of compounds targeting the pathogenic RNAs that cause myotonic dystrophy. <i>Nucleic Acids Research</i> , 2012, 40, 6380-6390.	14.5	69
32	Dynamic diversity in drug discovery: Putting small-molecule evolution to work. <i>Drug Discovery Today</i> , 2000, 5, 67-75.	6.4	68
33	Highly Substituted ter-Cyclopentanes as Receptors for Lipid A. <i>Journal of the American Chemical Society</i> , 2001, 123, 5810-5811.	13.7	68
34	Impact of Renal Function on the Pharmacokinetics and Safety of Ceftolozane-Tazobactam. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2249-2255.	3.2	67
35	A proteomic biosensor for enteropathogenic E. coli. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1659-1663.	10.1	66
36	A Recurrent, Multistate Outbreak of Salmonella Serotype Agona Infections Associated with Dry, Unsweetened Cereal Consumption, United States, 2008. <i>Journal of Food Protection</i> , 2013, 76, 227-230.	1.7	66

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37	Selection of DNA-binding compounds via multistage molecular evolution. <i>Tetrahedron</i> , 1999, 55, 11687-11697.	1.9	65
38	Dynamic diversity and small-molecule evolution: a new paradigm for ligand identification. <i>Trends in Biotechnology</i> , 1999, 17, 205-209.	9.3	61
39	A Missense Mutation in CDH3, Encoding P-Cadherin, Causes Hypotrichosis with Juvenile Macular Dystrophy. <i>Journal of Investigative Dermatology</i> , 2002, 119, 1210-1213.	0.7	60
40	Resin-Bound Dynamic Combinatorial Chemistry. <i>Organic Letters</i> , 2006, 8, 1803-1806.	4.6	60
41	Selective virus detection in complex sample matrices with photonic crystal optical cavities. <i>Biosensors and Bioelectronics</i> , 2013, 44, 229-234.	10.1	58
42	Identification of Activators of ERK5 Transcriptional Activity by High-Throughput Screening and the Role of Endothelial ERK5 in Vasoprotective Effects Induced by Statins and Antimalarial Agents. <i>Journal of Immunology</i> , 2014, 193, 3803-3815.	0.8	51
43	Antibacterial Copper-Hydroxyapatite Composite Coatings via Electrochemical Synthesis. <i>Langmuir</i> , 2019, 35, 5957-5966.	3.5	51
44	Explaining Changes in U.S. Grand Strategy: 9/11, the Rise of Offensive Liberalism, and the War in Iraq. <i>Security Studies</i> , 2010, 19, 26-65.	0.8	49
45	Rapid and Efficient Synthesis of 2-Amino-4H-benzothiazines. <i>Organic Letters</i> , 2000, 2, 3667-3670.	4.6	48
46	Theoretical and Experimental Analysis of Arrayed Imaging Reflectometry as a Sensitive Proteomics Technique. <i>Analytical Chemistry</i> , 2006, 78, 5578-5583.	6.5	48
47	Phenotypic Diversity and Mutation Spectrum in Hypotrichosis with Juvenile Macular Dystrophy. <i>Journal of Investigative Dermatology</i> , 2003, 121, 1217-1220.	0.7	46
48	Reflective Interferometric Detection of Label-Free Oligonucleotides. <i>Analytical Chemistry</i> , 2004, 76, 4416-4420.	6.5	46
49	Self-Selection in Olefin Cross-Metathesis: The Effect of Remote Functionality. <i>Organic Letters</i> , 2005, 7, 733-736.	4.6	46
50	Lomofungin and dilomofungin: inhibitors of MBNL1-CUG RNA binding with distinct cellular effects. <i>Nucleic Acids Research</i> , 2014, 42, 6591-6602.	14.5	46
51	Extending the Scope of Chromium-Manganese Redox-Coupled Reactions: A One-Pot Synthesis of Benzoxazoles. <i>Journal of Organic Chemistry</i> , 2001, 66, 991-996.	3.2	45
52	High-Affinity Recognition of HIV-1 Frameshift-Stimulating RNA Alters Frameshifting in Vitro and Interferes with HIV-1 Infectivity. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 723-732.	6.4	43
53	HIV-1 Frameshift RNA-Targeted Triazoles Inhibit Propagation of Replication-Competent and Multi-Drug-Resistant HIV in Human Cells. <i>ACS Chemical Biology</i> , 2017, 12, 1674-1682.	3.4	43
54	RETINAL TOXICITY OF INTRAVITREAL KENALOG IN ALBINO RABBITS. <i>Retina</i> , 2007, 27, 778-788.	1.7	42

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55	Selective Recognition of Alkyl Pyranosides in Protic and Aprotic Solvents. <i>Journal of the American Chemical Society</i> , 2008, 130, 9566-9573.	13.7	42
56	Topical Glaucoma Therapy as a Risk Factor for Nasolacrimal Duct Obstruction. <i>American Journal of Ophthalmology</i> , 2008, 145, 120-123.e1.	3.3	41
57	Experimental Epiretinal Proliferation Induced by Intravitreal Red Blood Cells. <i>American Journal of Ophthalmology</i> , 1986, 102, 188-195.	3.3	39
58	When and How Regions Become Peaceful: Potential Theoretical Pathways to Peace ¹ . <i>International Studies Review</i> , 2005, 7, 229-267.	1.4	39
59	A long term follow up of ocular siderosis: Quantitative assessment of the electroretinogram. <i>Documenta Ophthalmologica</i> , 1991, 76, 231-240.	2.2	37
60	Polyphase Nonlinear Equalization of Time-Interleaved Analog-to-Digital Converters. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2009, 3, 362-373.	10.8	37
61	<i>N</i> -Methylation as a Strategy for Enhancing the Affinity and Selectivity of RNA-binding Peptides: Application to the HIV-1 Frameshift-Stimulating RNA. <i>ACS Chemical Biology</i> , 2016, 11, 88-94.	3.4	37
62	The Active Site Cysteine of Ubiquitin-Conjugating Enzymes Has a Significantly Elevated pK _a : A Functional Implications. <i>Biochemistry</i> , 2005, 44, 16385-16391.	2.5	34
63	Evaluation of Intravitreal Kenalog Toxicity in Humans. <i>Ophthalmology</i> , 2007, 114, 724-731.	5.2	33
64	1-D and 2-D Photonic Crystals as Optical Methods for Amplifying Biomolecular Recognition. <i>Analytical Chemistry</i> , 2012, 84, 8900-8908.	6.5	33
65	Oral propranolol versus placebo for retinopathy of prematurity: a pilot, randomised, double-blind prospective study. <i>Archives of Disease in Childhood</i> , 2013, 98, 565-567.	1.9	32
66	Silver-hydroxyapatite composite coatings with enhanced antimicrobial activities through heat treatment. <i>Surface and Coatings Technology</i> , 2017, 325, 39-45.	4.8	32
67	Monitoring Serum Spike Protein with Disposable Photonic Biosensors Following SARS-CoV-2 Vaccination. <i>Sensors</i> , 2021, 21, 5857.	3.8	32
68	Strategies for Recognition of Stem-Loop RNA Structures by Synthetic Ligands: Application to the HIV-1 Frameshift Stimulatory Sequence. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6018-6027.	6.4	31
69	Ternary resin-bound dynamic combinatorial chemistry. <i>Chemical Communications</i> , 2012, 48, 2131.	4.1	30
70	Array-based analysis of SARS-CoV-2, other coronaviruses, and influenza antibodies in convalescent COVID-19 patients. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112643.	10.1	30
71	Detection of human proteins using arrayed imaging reflectometry. <i>Biosensors and Bioelectronics</i> , 2008, 24, 334-337.	10.1	29
72	Characterizing Emerging Canine H3 Influenza Viruses. <i>PLoS Pathogens</i> , 2020, 16, e1008409.	4.7	29

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73	Lenticular Oxygen Toxicity. , 2003, 44, 3476.		27
74	Towards single-spot multianalyte molecular beacon biosensors. Talanta, 2005, 67, 479-485.	5.5	27
75	Preparation and use of metal surface-immobilized DNA hairpins for the detection of oligonucleotides. Nature Protocols, 2007, 2, 2105-2110.	12.0	26
76	Hypotrichosis with Juvenile Macular Dystrophy. Ophthalmology, 2006, 113, 841-847.e3.	5.2	25
77	A new method for the mild and selective reduction of aryl nitro groups on solid support. Tetrahedron Letters, 1999, 40, 245-248.	1.4	24
78	Retinal capillary basement membrane thickness in diabetic mice genetically modified at the haptoglobin locus. Diabetes/Metabolism Research and Reviews, 2007, 23, 152-156.	4.0	23
79	A Designed Receptor for pH-Switchable Ion Binding in Water. Journal of the American Chemical Society, 2006, 128, 2532-2533.	13.7	22
80	Label-free, arrayed sensing of immune response to influenza antigens. Talanta, 2011, 83, 1000-1005.	5.5	22
81	Microfluidic nanoplasmonic-enabled device for multiplex DNA detection. Lab on A Chip, 2012, 12, 1089.	6.0	22
82	Bioaccumulation and biotransformation of decabromodiphenyl ether and effects on daily growth in juvenile lake whitefish (<i>Coregonus clupeaformis</i>). Ecotoxicology, 2010, 19, 751-760.	2.4	21
83	Functionalized Polymer Microgel Particles Enable Customizable Production of Label-Free Sensor Arrays. Analytical Chemistry, 2015, 87, 7887-7893.	6.5	21
84	Multiple retinal arteriolar occlusions associated with coexisting primary antiphospholipid syndrome and factor V Leiden mutation. American Journal of Ophthalmology, 2000, 129, 106-108.	3.3	20
85	Delayed Presentation of Orbito-Cerebral Abscess Caused by Pencil-Tip Injury. Ophthalmic Plastic and Reconstructive Surgery, 2006, 22, 316-317.	0.8	20
86	Epiphora (Excessive Tearing) and Other Ocular Manifestations Related to Weekly Docetaxel: Underestimated Dose-Limiting Toxicity. Medical Oncology, 2006, 23, 57-62.	2.5	20
87	Validation of Arrayed Imaging Reflectometry Biosensor Response for Protein-Antibody Interactions: Cross-Correlation of Theory, Experiment, and Complementary Techniques. Analytical Chemistry, 2011, 83, 3750-3757.	6.5	20
88	Disposable photonics for cost-effective clinical bioassays: application to COVID-19 antibody testing. Lab on A Chip, 2021, 21, 2913-2921.	6.0	20
89	Development of laser-induced retinal damage in the rabbit. Graefe's Archive for Clinical and Experimental Ophthalmology, 1999, 237, 991-1000.	1.9	19
90	A Multiplex Label-Free Approach to Avian Influenza Surveillance and Serology. PLoS ONE, 2015, 10, e0134484.	2.5	19

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91	Crowd on a Chip: Label-Free Human Monoclonal Antibody Arrays for Serotyping Influenza. <i>Analytical Chemistry</i> , 2018, 90, 9583-9590.	6.5	19
92	Lewis Acid Catalyzed Diels-Alder Reactions of Highly Hindered Dienophiles. <i>Journal of Organic Chemistry</i> , 1998, 63, 4143-4146.	3.2	18
93	Orbital Fractures Complicated by Late Enophthalmos: Higher Prevalence in Patients With Multiple Trauma. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2007, 23, 115-118.	0.8	18
94	Aging Induced Ag Nanoparticle Rearrangement under Ambient Atmosphere and Consequences for Nanoparticle-Enhanced DNA Biosensing. <i>Analytical Chemistry</i> , 2010, 82, 8664-8670.	6.5	18
95	Enhancing the Detection Limit of Nanoscale Biosensors via Topographically Selective Functionalization. <i>Analytical Chemistry</i> , 2014, 86, 1016-1022.	6.5	18
96	Recognition-mediated particle detection under microfluidic flow with waveguide-coupled 2D photonic crystals: towards integrated photonic virus detectors. <i>Lab on A Chip</i> , 2017, 17, 1570-1577.	6.0	18
97	Ribosomal frameshifting: an emerging drug target for HIV. <i>Current Opinion in Investigational Drugs</i> , 2009, 10, 121-8.	2.3	18
98	Investigation of Non-Nucleophilic Additives for the Reduction of Morphological Anomalies in Protein Arrays. <i>Langmuir</i> , 2008, 24, 12754-12757.	3.5	17
99	Analysis of inflammatory biomarkers by Arrayed Imaging Reflectometry. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3944-3948.	10.1	17
100	Peptides Derived from the Tight Junction Protein CLDN1 Disrupt the Skin Barrier and Promote Responsiveness to an Epicutaneous Vaccine. <i>Journal of Investigative Dermatology</i> , 2020, 140, 361-369.e3.	0.7	17
101	Synthesis and Characterization of New Photolabile Phorbol Esters for Affinity Labeling of Protein Kinase C. <i>Journal of Organic Chemistry</i> , 1996, 61, 2164-2173.	3.2	16
102	A Log-Frequency Approach to the Identification of the Wiener-Hammerstein Model. <i>IEEE Signal Processing Letters</i> , 2009, 16, 889-892.	3.6	16
103	Incidence and severity of ocular and adnexal injuries during the Second Lebanon War among Israeli soldiers and civilians. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2011, 249, 1771-1774.	1.9	16
104	A label-free, multiplex competitive assay for small molecule pollutants. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1-6.	10.1	16
105	Transfer Catalysis Between Two Solids: Application to the Reduction of Nitroarenes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2777-2779.	13.8	15
106	NADPH diaphorase activity in the rat retina during the early stages of experimental diabetes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2003, 241, 747-756.	1.9	15
107	Effect of Timing of External Dacryocystorhinostomy on Surgical Outcome. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2007, 23, 183-186.	0.8	15
108	Costs and benefits of pneumatic collection in three specific New York City cases. <i>Waste Management</i> , 2014, 34, 1957-1966.	7.4	15

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109	Label-Free, Multiplex Glycan Microarray Biosensor for Influenza Virus Detection. <i>Bioconjugate Chemistry</i> , 2021, 32, 533-540.	3.6	15
110	The existence of measures of a given cocycle, I: atomless, ergodic \mathbb{Z} -finite measures. <i>Ergodic Theory and Dynamical Systems</i> , 2008, 28, 1599-1613.	0.6	14
111	A multi-sensor compressed sensing receiver: Performance bounds and simulated results. , 2009, , .		14
112	Walker-warburg syndrome with microtia and absent auditory canals. <i>American Journal of Medical Genetics Part A</i> , 1990, 37, 87-91.	2.4	13
113	Exploiting Differences in Solution vs Solid-Supported Reactivity for the Synthesis of Sulfonic Acid Derivatives. <i>Organic Letters</i> , 1999, 1, 2109-2111.	4.6	13
114	Figure-of-Merit Characterization of Hydrogen-Bond Acidic Sorbents for Waveguide-Enhanced Raman Spectroscopy. <i>ACS Sensors</i> , 2020, 5, 831-836.	7.8	13
115	Design and Implementation of a Wireless (Bluetooth®) Four Channel Bio-Instrumentation Amplifier and Digital Data Acquisition Device with User-Selectable Gain, Frequency, and Driven Reference. , 2006, 2053-6.		12
116	Examining the Interactions of the Splicing Factor MBNL1 with Target RNA Sequences via a Label-Free, Multiplex Method. <i>Analytical Chemistry</i> , 2014, 86, 1067-1075.	6.5	12
117	Enhancing the ligand efficiency of anti-HIV compounds targeting frameshift-stimulating RNA. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2972-2977.	3.0	12
118	Human Organ-on-a-Chip Microphysiological Systems to Model Musculoskeletal Pathologies and Accelerate Therapeutic Discovery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 846230.	4.1	12
119	Synthesis and characterization of the second cysteine-rich region of mouse skin PKC δ . <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 353-356.	2.2	11
120	Paediatric chiasmal neuritis - Typical of post-Epstein-Barr virus infection?. <i>Acta Ophthalmologica</i> , 2000, 78, 226-227.	0.3	11
121	The cube coefficient subspace architecture for nonlinear digital predistortion. , 2008, , .		11
122	A Potent Activator of Melanogenesis Identified from Small-Molecule Screening. <i>ChemMedChem</i> , 2009, 4, 1583-1589.	3.2	11
123	Microcavities in photonic crystal waveguides for biosensor applications. , 2010, , .		11
124	Segregation of Separate Steps in Chromium-Catalyzed Reactions for Convenience and Mechanistic Analysis. <i>Organic Letters</i> , 2000, 2, 691-693.	4.6	10
125	Synthesis and evaluation of the first cis-cyclobutane-containing receptor for lipid A. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3973.	2.8	10
126	Balance of Power or the State-to-Nation Balance: Explaining Middle East War-Propensity. <i>Security Studies</i> , 2006, 15, 658-705.	0.8	10

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127	Identification of high-stringency DNA hairpin probes by partial gene folding. <i>Biosensors and Bioelectronics</i> , 2007, 23, 233-240.	10.1	10
128	Between the revisionist and the frontier state: regional variations in state war-propensity. <i>Review of International Studies</i> , 2009, 35, 85-119.	1.7	10
129	Catalysing dynamic libraries. <i>Nature Chemistry</i> , 2010, 2, 433-434.	13.6	10
130	Democracy Promotion. <i>Millennium: Journal of International Studies</i> , 2010, 38, 561-591.	0.8	10
131	Does Democratization Pacify the State? The Cases of Germany and Iraq ¹ . <i>International Studies Quarterly</i> , 2012, 56, 455-469.	1.5	10
132	Numerical study of sensitivity enhancement in a photonic crystal microcavity biosensor due to optical forces. <i>Optics Express</i> , 2015, 23, 25072.	3.4	9
133	Characterization of the binding surface of the translocated intimin receptor, an essential protein for EPEC and EHEC cell adhesion. <i>Protein Science</i> , 2007, 16, 2677-2683.	7.6	8
134	The existence of measures of a given cocycle, II: probability measures. <i>Ergodic Theory and Dynamical Systems</i> , 2008, 28, 1615-1633.	0.6	8
135	Optical and fluidic design for guaranteed trapping and detection of particles in a silicon microfluidic and photonic crystal system. <i>Proceedings of SPIE</i> , 2011, , .	0.8	8
136	Effects of Stock Use and Backpackers on Water Quality in Wilderness in Sequoia and Kings Canyon National Parks, USA. <i>Environmental Management</i> , 2013, 52, 1400-1414.	2.7	8
137	Targeting Ribosomal Frameshifting as an Antiviral Strategy: From HIV-1 to SARS-CoV-2. <i>Accounts of Chemical Research</i> , 2021, 54, 3349-3361.	15.6	8
138	Enantioselective autocatalysis. III. Configurational and conformational studies on a 1,4-benzodiazepinooxazole derivative. <i>Origins of Life and Evolution of Biospheres</i> , 1995, 25, 539-547.	1.9	7
139	Desferrioxamine and zinc ²⁺ desferrioxamine reduce lens oxidative damage. <i>Experimental Eye Research</i> , 2007, 84, 561-568.	2.6	7
140	Efficient reconstruction of block-sparse signals. , 2011, , .		7
141	Label-free microarray-based detection of autoantibodies in human serum. <i>Journal of Immunological Methods</i> , 2018, 459, 44-49.	1.4	7
142	Silicon optical sensor arrays for environmental and health applications. <i>Current Opinion in Environmental Science and Health</i> , 2019, 10, 22-29.	4.1	7
143	A Stable Biotin-Streptavidin Surface Enables Multiplex, Label-Free Protein Detection by Aptamer and Aptamer-Protein Arrays Using Arrayed Imaging Reflectometry. <i>Sensors</i> , 2020, 20, 5745.	3.8	7
144	Conditions That Simulate the Environment of Atopic Dermatitis Enhance Susceptibility of Human Keratinocytes to Vaccinia Virus. <i>Cells</i> , 2022, 11, 1337.	4.1	7

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145	Biosensing with one-dimensional photonic bandgap structure. , 2004, , .		6
146	Congenital Combined Orbito-Nasal Lipoblastoma: Clinico-Pathologic Study. <i>Orbit</i> , 2007, 26, 125-127.	0.8	6
147	Biophysical analysis of the EPEC translocated intimin receptor-binding domain. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 1073-1078.	2.1	6
148	Extending the dynamic range of RF receivers using nonlinear equalization. , 2009, , .		6
149	Why Great Powers Expand in Their Own Neighborhood: Explaining the Territorial Expansion of the United States 1819â€“1848. <i>International Interactions</i> , 2011, 37, 229-262.	1.2	6
150	Two dimensional photonic crystal biosensors as a platform for label-free sensing of biomolecules. , 2013, , .		6
151	Discrimination of â€œspecificâ€ and â€œnonspecificâ€ binding in two-dimensional photonic crystals. <i>Optics Express</i> , 2015, 23, 7101.	3.4	5
152	Photonic Crystals as Robust Label-Free Biosensors. <i>Springer Series in Materials Science</i> , 2016, , 189-207.	0.6	5
153	Dynamic combinatorial chemistry as a rapid method for discovering sequence-selective RNA-binding compounds. <i>Methods in Enzymology</i> , 2019, 623, 67-84.	1.0	5
154	StaphAIR: A Label-Free Antigen Microarray Approach to Detecting Anti- <i>Staphylococcus aureus</i> Antibody Responses in Orthopedic Infections. <i>Analytical Chemistry</i> , 2021, 93, 13580-13588.	6.5	5
155	Posterior Lamellar Gold-Weight Extrusion. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2003, 19, 407-408.	0.8	4
156	Single-Step Synthesis of Functional Organic Receptors via a Tridirectional Minisci Reaction. <i>Synthesis</i> , 2007, 2007, 2287-2290.	2.3	4
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