

Christof M Niemeyer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

307
papers

15,717
citations

66
h-index

116
g-index

345
ext. papers

16,861
ext. citations

8.7
avg, IF

7.11
L-index

#	Paper	IF	Citations
307	Enrichment of phosphate-accumulating organisms (PAOs) in a microfluidic model biofilm system by mimicking a typical aerobic granular sludge feast/famine regime.. <i>Applied Microbiology and Biotechnology</i> , 2022 , 106, 1313	5.7	0
306	An Orthogonal Covalent Connector System for the Efficient Assembly of Enzyme Cascades on DNA Nanostructures. <i>Small</i> , 2021 , e2105095	11	0
305	DNA-Directed Assembly of a Cell-Responsive Biohybrid Interface for Cargo Release.. <i>Small Methods</i> , 2021 , 5, e2001049	12.8	1
304	Microfluidic cultivation and analysis of productive biofilms. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3860-3870	4.9	1
303	Methods for immobilizing receptors in microfluidic devices: A review. <i>Micro and Nano Engineering</i> , 2021 , 11, 100085	3.4	4
302	Formulation of DNA Nanocomposites: Towards Functional Materials for Protein Expression. <i>Polymers</i> , 2021 , 13,	4.5	3
301	Microfluidic Evolution-On-A-Chip Reveals New Mutations that Cause Antibiotic Resistance. <i>Small</i> , 2021 , 17, e2007166	11	1
300	Rapid quantitative assays for glucose-6-phosphate dehydrogenase (G6PD) and hemoglobin combined on a capillary-driven microfluidic chip. <i>Lab on A Chip</i> , 2021 , 21, 3573-3582	7.2	3
299	Microscale Interfacial Polymerization on a Chip. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24064-24069	16.4	3
298	Toward Reproducible Enzyme Modeling with Isothermal Titration Calorimetry. <i>ACS Catalysis</i> , 2021 , 11, 10695-10704	13.1	0
297	Multiscale Microstructure for Investigation of CellCell Communication. <i>Small Methods</i> , 2020 , 4, 2000647	12.8	1
296	Surface Display of Complex Enzymes by in Situ SpyCatcher-SpyTag Interaction. <i>ChemBioChem</i> , 2020 , 21, 2126-2131	3.8	9
295	Segregation of Dispersed Silica Nanoparticles in Microfluidic Water-in-Oil Droplets: A Kinetic Study. <i>ChemPhysChem</i> , 2020 , 21, 1070-1078	3.2	2
294	Cultivation of Exoelectrogenic Bacteria in Conductive DNA Nanocomposite Hydrogels Yields a Programmable Biohybrid Materials System. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14806-14813	9.5	13
293	Phosphoprotein Detection with a Single Nanofluidic Diode Decorated with Zinc Chelates. <i>ChemPlusChem</i> , 2020 , 85, 587-594	2.8	8
292	Designer DNA-silica/carbon nanotube nanocomposites for traceable and targeted drug delivery. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2250-2255	7.3	24
291	Kultivierung und Analyse von Biofilmen durch automatisierte Mikrosysteme. <i>BioSpektrum</i> , 2020 , 26, 167-169	1.69	0

290	Postsynthetic Functionalization of DNA-Nanocomposites with Proteins Yields Bioinstructive Matrices for Cell Culture Applications. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19016-19020	16.4	2
289	Complex Nucleic Acid Hybridization Reactions inside Capillary-Driven Microfluidic Chips. <i>Small</i> , 2020 , 16, e2005476	11	5
288	Postsynthetic Functionalization of DNA-Nanocomposites with Proteins Yields Bioinstructive Matrices for Cell Culture Applications. <i>Angewandte Chemie</i> , 2020 , 132, 19178-19182	3.6	0
287	Highly Modular Protein Micropatterning Sheds Light on the Role of Clathrin-Mediated Endocytosis for the Quantitative Analysis of Protein-Protein Interactions in Live Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	13
286	Evaluation of a Microreactor for Flow Biocatalysis by Combined Theory and Experiment. <i>ChemCatChem</i> , 2020 , 12, 2452-2460	5.2	7
285	Chemoenzymatic Synthesis of O-Containing Heterocycles from Diazo Esters. <i>ChemCatChem</i> , 2019 , 11, 5519-5523	5.2	5
284	Valency engineering of monomeric enzymes for self-assembling biocatalytic hydrogels. <i>Chemical Science</i> , 2019 , 10, 9752-9757	9.4	20
283	Self-Immobilizing Oxidoreductases for Flow Biocatalysis in Miniaturized Packed-Bed Reactors. <i>Chemical Engineering and Technology</i> , 2019 , 42, 2009-2017	2	15
282	Comparison of Storage Methods for Microfluidically Produced Water-in-Oil Droplets. <i>Chemical Engineering and Technology</i> , 2019 , 42, 2028-2034	2	1
281	Writing Behavior of Phospholipids in Polymer Pen Lithography (PPL) for Bioactive Micropatterns. <i>Polymers</i> , 2019 , 11,	4.5	6
280	Self-Immobilizing Biocatalysts Maximize SpaceTime Yields in Flow Reactors. <i>Catalysts</i> , 2019 , 9, 164	4	18
279	Functionalized DNA Hydrogels Produced by Polymerase-Catalyzed Incorporation of Non-Natural Nucleotides as a Surface Coating for Cell Culture Applications. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900080	10.1	11
278	Biopebble Containers: DNA-Directed Surface Assembly of Mesoporous Silica Nanoparticles for Cell Studies. <i>Small</i> , 2019 , 15, e1900083	11	13
277	Biocompatibility of Amine-Functionalized Silica Nanoparticles: The Role of Surface Coverage. <i>Small</i> , 2019 , 15, e1805400	11	24
276	Microfluidic Chips for Life Sciences-A Comparison of Low Entry Manufacturing Technologies. <i>Small</i> , 2019 , 15, e1901956	11	11
275	Machine-assisted cultivation and analysis of biofilms. <i>Scientific Reports</i> , 2019 , 9, 8933	4.9	9
274	Bottom-Up Assembly of DNA-Silica Nanocomposites into Micrometer-Sized Hollow Spheres. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17269-17272	16.4	9
273	3D-Printed Phenacrylate Decarboxylase Flow Reactors for the Chemoenzymatic Synthesis of 4-Hydroxystilbene. <i>Chemistry - A European Journal</i> , 2019 , 25, 15998	4.8	20

272	Bottom-Up Assembly of DNA-Silica Nanocomposites into Micrometer-Sized Hollow Spheres. <i>Angewandte Chemie</i> , 2019 , 131, 17429-17432	3.6	0
271	From DNA Nanotechnology to Material Systems Engineering. <i>Advanced Materials</i> , 2019 , 31, e1806294	24	69
270	Imine Reductase Based All-Enzyme Hydrogel with Intrinsic Cofactor Regeneration for Flow Biocatalysis. <i>Micromachines</i> , 2019 , 10,	3.3	13
269	A Phenolic Acid Decarboxylase-Based All-Enzyme Hydrogel for Flow Reactor Technology. <i>Micromachines</i> , 2019 , 10,	3.3	16
268	Carbon-nanotube reinforcement of DNA-silica nanocomposites yields programmable and cell-instructive biocoatings. <i>Nature Communications</i> , 2019 , 10, 5522	17.4	18
267	Programmable hydraulic resistor for microfluidic chips using electrogate arrays. <i>Scientific Reports</i> , 2019 , 9, 17242	4.9	3
266	Solid-Phase Synthesis and Purification of Protein-DNA Origami Nanostructures. <i>Chemistry - A European Journal</i> , 2019 , 25, 3483-3488	4.8	6
265	Oriented immobilization of a delicate glucose-sensing protein on silica nanoparticles. <i>Biomaterials</i> , 2019 , 190-191, 76-85	15.6	11
264	Intercalating Electron Dyes for TEM Visualization of DNA at the Single-Molecule Level. <i>ChemBioChem</i> , 2019 , 20, 822-830	3.8	4
263	On-Demand Production of Flow-Reactor Cartridges by 3D Printing of Thermostable Enzymes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5539-5543	16.4	33
262	Biopebbles: DNA-Functionalized Core-Shell Silica Nanospheres for Cellular Uptake and Cell Guidance Studies. <i>Advanced Functional Materials</i> , 2018 , 28, 1707572	15.6	29
261	Herstellung direkt nutzbarer Durchflussreaktorkartuschen durch 3D-Druck von thermostabilen Enzymen. <i>Angewandte Chemie</i> , 2018 , 130, 5638-5642	3.6	3
260	Potassium-induced ionic conduction through a single nanofluidic pore modified with acyclic polyether derivative. <i>Analytica Chimica Acta</i> , 2018 , 1039, 132-139	6.6	11
259	Lithium Ion Recognition with Nanofluidic Diodes through Host-Guest Complexation in Confined Geometries. <i>Analytical Chemistry</i> , 2018 , 90, 6820-6826	7.8	42
258	DNA Surface Technology: From Gene Sensors to Integrated Systems for Life and Materials Sciences. <i>Angewandte Chemie</i> , 2018 , 130, 17204-17212	3.6	8
257	DNA Surface Technology: From Gene Sensors to Integrated Systems for Life and Materials Sciences. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16959-16967	16.4	25
256	In My Element: Hydrogen. <i>Chemistry - A European Journal</i> , 2018 , 25, 1367	4.8	1
255	In My Element: Boron. <i>Chemistry - A European Journal</i> , 2018 , 25, 390	4.8	

254	Titelbild: Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis (<i>Angew. Chem.</i> 52/2018). <i>Angewandte Chemie</i> , 2018 , 130, 17153-17153	3.6	2
253	Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis. <i>Angewandte Chemie</i> , 2018 , 130, 17274-17278	3.6	13
252	Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17028-17032	16.4	47
251	Orthogonal Surface Tags for Whole-Cell Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2183-2186	16.4	34
250	Orthogonale Oberflächenmarkierungen für die Ganzzellkatalyse. <i>Angewandte Chemie</i> , 2017 , 129, 2215-2219	3.6	6
249	DNA-SMART: Biopatterned Polymer Film Microchannels for Selective Immobilization of Proteins and Cells. <i>Small</i> , 2017 , 13, 1603923	11	13
248	Photo-Induced Click Chemistry for DNA Surface Structuring by Direct Laser Writing. <i>Chemistry - A European Journal</i> , 2017 , 23, 4990-4994	4.8	13
247	"DNA Origami Traffic Lights" with a Split Aptamer Sensor for a Bicolor Fluorescence Readout. <i>Nano Letters</i> , 2017 , 17, 2467-2472	11.5	71
246	Immuno-PCR with digital readout. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 488, 311-315	3.6	4
245	Molecular Activity Painting: schaltbare, lichtgesteuerte Manipulation in lebenden Zellen. <i>Angewandte Chemie</i> , 2017 , 129, 6010-6014	3.6	13
244	"Molecular Activity Painting": Switch-like, Light-Controlled Perturbations inside Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5916-5920	16.4	32
243	Science policy in the days of Trump. <i>Nature Nanotechnology</i> , 2017 , 12, 934-935	28.7	13
242	Self-Immobilizing Fusion Enzymes for Compartmentalized Biocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 7866-7872	13.1	61
241	DNA nanotechnology: On-command molecular Trojans. <i>Nature Nanotechnology</i> , 2017 , 12, 1117-1119	28.7	2
240	Cesium-Induced Ionic Conduction through a Single Nanofluidic Pore Modified with Calixcrown Moieties. <i>Langmuir</i> , 2017 , 33, 9170-9177	4	23
239	Cascades in Compartments: En Route to Machine-Assisted Biotechnology. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13574-13589	16.4	101
238	Kaskaden in Kompartimenten: auf dem Weg zu maschinengestützter Biotechnologie. <i>Angewandte Chemie</i> , 2017 , 129, 13760-13777	3.6	20
237	Protein-Functionalized DNA Nanostructures as Tools to Control Transcription in Zebrafish Embryos. <i>ChemistryOpen</i> , 2017 , 6, 33-39	2.3	6

236	Toward a cell-free hydantoinase process: screening for expression optimization and one-step purification as well as immobilization of hydantoinase and carbamoylase. <i>AMB Express</i> , 2017 , 7, 122	4.1	5
235	A redox-sensitive nanofluidic diode based on nicotinamide-modified asymmetric nanopores. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 895-902	8.5	15
234	Genetic Engineering of Silaffin-Like Peptides for Binding and Precipitating Siliceous Materials. <i>ChemistrySelect</i> , 2016 , 1, 4765-4771	1.8	4
233	A Rationally Designed Connector for Assembly of Protein-Functionalized DNA Nanostructures. <i>ChemBioChem</i> , 2016 , 17, 1102-6	3.8	21
232	Fluoride-induced modulation of ionic transport in asymmetric nanopores functionalized with "caged" fluorescein moieties. <i>Nanoscale</i> , 2016 , 8, 8583-90	7.7	14
231	Photo-induced chemistry for the design of oligonucleotide conjugates and surfaces. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 442-449	7.3	5
230	High Affinity Immobilization of Proteins Using the CrAsH/TC Tag. <i>Molecules</i> , 2016 , 21,	4.8	2
229	Label-Free Pyrophosphate Recognition with Functionalized Asymmetric Nanopores. <i>Small</i> , 2016 , 12, 2014-21	11	40
228	Designed DNA Surfaces for in Vitro Modulation of Natural Killer Cells. <i>ChemBioChem</i> , 2016 , 17, 486-92	3.8	8
227	Multi-color polymer pen lithography for oligonucleotide arrays. <i>Chemical Communications</i> , 2016 , 52, 12313-12313		
226	Highly sensitive ligand-binding assays in pre-clinical and clinical applications: immuno-PCR and other emerging techniques. <i>Analyst, The</i> , 2015 , 140, 6175-94	5	31
225	DNA-Directed Assembly of Capture Tools for Constitutional Studies of Large Protein Complexes. <i>Small</i> , 2015 , 11, 2669-74	11	7
224	Assembly and purification of enzyme-functionalized DNA origami structures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6745-50	16.4	69
223	Photocleavable ligands for protein decoration of DNA nanostructures. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 5102-4	3.9	8
222	Ionic Transport through Chemically Functionalized Hydrogen Peroxide-Sensitive Asymmetric Nanopores. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19541-5	9.5	39
221	Multifunctional Silica Nanoparticles for Covalent Immobilization of Highly Sensitive Proteins. <i>Advanced Materials</i> , 2015 , 27, 7945-50	24	50
220	Reversible Rekonfiguration von DNA-Origami-Nanosystemen und deren Beobachtung mittels FRET-Einzelmolekülanalyse. <i>Angewandte Chemie</i> , 2015 , 127, 3662-3667	3.6	1
219	Enantiogroup-differentiating biocatalytic reductions of prochiral Cs -symmetrical dicarbonyl compounds to meso compounds. <i>Chemistry - A European Journal</i> , 2015 , 21, 8701-5	4.8	21

218	Multiscale Origami Structures as Interface for Cells. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15813-7	16.4	68
217	Multiscale Origami Structures as Interface for Cells. <i>Angewandte Chemie</i> , 2015 , 127, 16039-16043	3.6	15
216	Site-directed, on-surface assembly of DNA nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12039-43	16.4	7
215	Designed Intercalators for Modification of DNA Origami Surface Properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 9440-6	4.8	29
214	Assembly and Purification of Enzyme-Functionalized DNA Origami Structures. <i>Angewandte Chemie</i> , 2015 , 127, 6849-6854	3.6	12
213	Site-Directed, On-Surface Assembly of DNA Nanostructures. <i>Angewandte Chemie</i> , 2015 , 127, 12207-12216	3	16
212	Selective Binding of DNA Origami on Biomimetic Lipid Patches. <i>Small</i> , 2015 , 11, 5752-8	11	13
211	Reversible reconfiguration of DNA origami nanochambers monitored by single-molecule FRET. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3592-7	16.4	31
210	Advances in DNA-directed immobilization. <i>Current Opinion in Chemical Biology</i> , 2014 , 18, 8-15	9.7	77
209	Site-specific, reversible and fluorescent immobilization of proteins on CrAsH-modified surfaces for microarray analytics. <i>Chemical Communications</i> , 2014 , 50, 12761-4	5.8	6
208	Configurable low-cost plotter device for fabrication of multi-color sub-cellular scale microarrays. <i>Small</i> , 2014 , 10, 2870-6	11	34
207	Modular microfluidic system for emulation of human phase I/phase II metabolism. <i>Analytical Chemistry</i> , 2014 , 86, 3068-74	7.8	17
206	A facile method for preparation of tailored scaffolds for DNA-origami. <i>Small</i> , 2014 , 10, 73-7	11	36
205	Biochips for cell biology by combined dip-pen nanolithography and DNA-directed protein immobilization. <i>Small</i> , 2013 , 9, 4243-9	11	51
204	Protein-DNA arrays as tools for detection of protein-protein interactions by mass spectrometry. <i>ChemBioChem</i> , 2013 , 14, 92-9	3.8	11
203	On-chip protein biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2652-4	16.4	11
202	DNA-modification of eukaryotic cells. <i>Small</i> , 2013 , 9, 255-62	11	23
201	On-Chip-Proteinbiosynthese. <i>Angewandte Chemie</i> , 2013 , 125, 2714-2716	3.6	2

200	A protein-interaction array inside a living cell. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4790-4894	16.4	39
199	Screening for cytochrome P450 reactivity with a reporter enzyme. <i>Methods in Molecular Biology</i> , 2013 , 987, 149-56	1.4	0
198	A Protein-Interaction Array Inside a Living Cell. <i>Angewandte Chemie</i> , 2013 , 125, 4890-4894	3.6	9
197	Titelbild: Chemie der Cyborgs zur Verknüpfung technischer Systeme mit Lebewesen (Angew. Chem. 52/2013). <i>Angewandte Chemie</i> , 2013 , 125, 14069-14069	3.6	
196	The chemistry of cyborgs–interfacing technical devices with organisms. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13942-57	16.4	28
195	Chemie der Cyborgs zur Verknüpfung technischer Systeme mit Lebewesen. <i>Angewandte Chemie</i> , 2013 , 125, 14190-14206	3.6	5
194	DNA-Origami: die Kunst, DNA zu falten. <i>Angewandte Chemie</i> , 2012 , 124, 60-69	3.6	56
193	DNA origami: the art of folding DNA. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 58-66	16.4	271
192	Direct immobilization of oxyamine-modified proteins from cell lysates. <i>Chemical Communications</i> , 2012 , 48, 10829-31	5.8	16
191	Nanolattices of switchable DNA-based motors. <i>Small</i> , 2012 , 8, 3000-8	11	7
190	Human high temperature requirement serine protease A1 (HTRA1) degrades tau protein aggregates. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20931-41	5.4	56
189	Functionalization of DNA nanostructures with proteins. <i>Chemical Society Reviews</i> , 2011 , 40, 5910-21	58.5	158
188	Bimetallic Copper-Heme-Protein-DNA Hybrid Catalyst for Diels Alder Reaction. <i>Croatica Chemica Acta</i> , 2011 , 84, 269-275	0.8	3
187	Hybride aus DNA, Proteinen und Kolloiden. <i>Nachrichten Aus Der Chemie</i> , 2011 , 59, 112-116	0.1	
186	DNA-mediated assembly of cytochrome P450 BM3 subdomains. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16111-8	16.4	90
185	Covalent tethering of protruding arms for addressable DNA nanostructures. <i>Small</i> , 2011 , 7, 2887-98	11	5
184	Orthogonal protein decoration of DNA nanostructures. <i>Small</i> , 2011 , 7, 3211-8	11	38
183	Selective covalent conjugation of phosphorothioate DNA oligonucleotides with streptavidin. <i>Molecules</i> , 2011 , 16, 6916-26	4.8	5

182	Conjugation of fluorescent proteins with DNA oligonucleotides. <i>Bioconjugate Chemistry</i> , 2010 , 21, 921-76.3	22
181	Peroxidase activity of bacterial cytochrome P450 enzymes: modulation by fatty acids and organic solvents. <i>Biotechnology Journal</i> , 2010 , 5, 891-9	5.6 13
180	Preparation of biomolecule microstructures and microarrays by thiol-ene photoimmobilization. <i>ChemBioChem</i> , 2010 , 11, 235-47	3.8 45
179	Orthogonal Protein Decoration of DNA Origami. <i>Angewandte Chemie</i> , 2010 , 122, 9568-9573	3.6 63
178	Semisynthetic DNA-protein conjugates for biosensing and nanofabrication. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1200-16	16.4 307
177	Oriented immobilization of farnesylated proteins by the thiol-ene reaction. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1252-7	16.4 87
176	Orthogonal protein decoration of DNA origami. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9378-83	16.4 221
175	Photocatalytic activity of protein-conjugated CdS nanoparticles. <i>Small</i> , 2010 , 6, 2035-40	11 25
174	Capture and culturing of living cells on microstructured DNA substrates. <i>Small</i> , 2010 , 6, 2162-8	11 32
173	Quantum-dot-encoded silica nanospheres for nucleic acid hybridization. <i>Small</i> , 2010 , 6, 2130-4	11 20
172	Screening for cytochrome p450 reactivity by harnessing catalase as reporter enzyme. <i>ChemBioChem</i> , 2009 , 10, 751-7	3.8 13
171	Analysis of non-covalent bioconjugation of colloidal nanoparticles by means of atomic force microscopy and data clustering. <i>ChemPhysChem</i> , 2009 , 10, 1483-91	3.2 16
170	Analysis of the self-assembly of 4x4 DNA tiles by temperature-dependent FRET spectroscopy. <i>ChemPhysChem</i> , 2009 , 10, 3239-48	3.2 8
169	Apoenzyme reconstitution as a chemical tool for structural enzymology and biotechnology. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1550-74	16.4 102
168	Applications of protein biochips in biomedical and biotechnological research. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7744-51	16.4 93
167	Dendritic DNA building blocks for amplified detection assays and biomaterials. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5996-6000	16.4 41
166	Tumor-associated MUC1 tandem-repeat glycopeptide microarrays to evaluate serum- and monoclonal-antibody specificity. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8263-7	16.4 56
165	Surface-enhanced Raman scattering as a tool to probe cytochrome P450-catalysed substrate oxidation. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 394, 1797-801	4.4 7

164	Addressable microfluidic polymer chip for DNA-directed immobilization of oligonucleotide-tagged compounds. <i>Small</i> , 2009 , 5, 1547-52	11	29
163	Single-molecule investigations of a photoswitchable nanodevice. <i>Small</i> , 2009 , 5, 1169-75	11	12
162	Temperature-dependent FRET spectroscopy for the high-throughput analysis of self-assembled DNA nanostructures in real time. <i>Nature Protocols</i> , 2009 , 4, 271-85	18.8	24
161	Addressable DNA-myoglobin photocatalysis. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1064-9	4.5	18
160	Tuning of peroxidase activity by covalently tethered DNA oligonucleotides. <i>Bioconjugate Chemistry</i> , 2009 , 20, 969-75	6.3	31
159	Immuno-PCR assays for immunogenicity testing. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 278-82	3.4	32
158	Photocatalytic activity of colloidal CdS nanoparticles with different capping ligands. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6348		58
157	Analysis of heme-reconstitution of apoenzymes by means of surface plasmon resonance. <i>Chemical Communications</i> , 2009 , 230-2	5.8	32
156	User configurable microfluidic device for multiplexed immunoassays based on DNA-directed assembly. <i>Analytical Chemistry</i> , 2009 , 81, 1275-9	7.8	37
155	Toward multiprotein nanoarrays using nanografting and DNA directed immobilization of proteins. <i>Nano Letters</i> , 2009 , 9, 2614-8	11.5	73
154	Surface immobilization of biomolecules by click sulfonamide reaction. <i>Chemical Communications</i> , 2008 , 3723-5	5.8	39
153	DNA-directed assembly of artificial multienzyme complexes. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 377, 62-7	3.4	110
152	Investigation of cytochrome P450-modified cadmium sulfide quantum dots as photocatalysts. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3824		20
151	Engineering and assaying of cytochrome P450 biocatalysts. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 1059-73	4.4	42
150	Characterization of the peroxidase activity of CYP119, a thermostable P450 from <i>Sulfolobus acidocaldarius</i> . <i>ChemBioChem</i> , 2008 , 9, 420-5	3.8	43
149	High-throughput, real-time monitoring of the self-assembly of DNA nanostructures by FRET spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2135-7	16.4	33
148	Photochemical surface patterning by the thiol-ene reaction. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4421-4	16.4	169
147	Rational engineering of dynamic DNA systems. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3871-64	16.4	26

146	Chemical strategies for generating protein biochips. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9618-47	16.4	507
145	Self-assembled donor comprising quantum dots and fluorescent proteins for long-range fluorescence resonance energy transfer. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4815-27	16.4	115
144	Sensitivity by combination: immuno-PCR and related technologies. <i>Analyst, The</i> , 2008 , 133, 702-18	5	112
143	DNA-directed assembly of supramolecular fluorescent protein energy transfer systems. <i>Bioconjugate Chemistry</i> , 2007 , 18, 621-7	6.3	24
142	Site-specific labeling of DNA-protein conjugates by means of expressed protein ligation. <i>Chemical Communications</i> , 2007 , 353-5	5.8	13
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