

Christof M Niemeyer

List of Publications by Citations

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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	Nanoparticles, Proteins, and Nucleic Acids: Biotechnology Meets Materials Science. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4128-4158	16.4	1983
306	Chemical strategies for generating protein biochips. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9618-47	16.4	507
305	Rational design of DNA nanoarchitectures. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1856-76	16.4	490
304	Semisynthetic DNA-protein conjugates for biosensing and nanofabrication. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1200-16	16.4	307
303	Oligonucleotide-directed self-assembly of proteins: semisynthetic DNA-streptavidin hybrid molecules as connectors for the generation of macroscopic arrays and the construction of supramolecular bioconjugates. <i>Nucleic Acids Research</i> , 1994 , 22, 5530-9	20.1	298
302	On the generation of free radical species from quantum dots. <i>Small</i> , 2005 , 1, 706-9	11	290
301	DNA origami: the art of folding DNA. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 58-66	16.4	271
300	Immuno-PCR: high sensitivity detection of proteins by nucleic acid amplification. <i>Trends in Biotechnology</i> , 2005 , 23, 208-16	15.1	265
299	Nanopartikel, Proteine und Nucleinsäuren: Die Biotechnologie begegnet den Materialwissenschaften. <i>Angewandte Chemie</i> , 2001 , 113, 4254-4287	3.6	234
298	Orthogonal protein decoration of DNA origami. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9378-83	16.4	221
297	Self-assembled nanostructures based on DNA: towards the development of nanobiotechnology. <i>Current Opinion in Chemical Biology</i> , 2000 , 4, 609-18	9.7	218
296	Covalent DNA-Streptavidin Conjugates as Building Blocks for Novel Biometallic Nanostructures. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2265-2268	16.4	184
295	18F-labeling of peptides by means of an organosilicon-based fluoride acceptor. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6047-50	16.4	174
294	Self-assembly of DNA-streptavidin nanostructures and their use as reagents in immuno-PCR. <i>Nucleic Acids Research</i> , 1999 , 27, 4553-61	20.1	173
293	Photochemical surface patterning by the thiol-ene reaction. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4421-4	16.4	169
292	The developments of semisynthetic DNA-protein conjugates. <i>Trends in Biotechnology</i> , 2002 , 20, 395-401	15.1	168
291	Staudinger ligation: a new immobilization strategy for the preparation of small-molecule arrays. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5830-4	16.4	166

290	DNA-directed assembly of bienzymic complexes from <i>in vivo</i> biotinylated NAD(P)H:FMN oxidoreductase and luciferase. <i>ChemBioChem</i> , 2002 , 3, 242-5	3.8	165
289	Functionalization of DNA nanostructures with proteins. <i>Chemical Society Reviews</i> , 2011 , 40, 5910-21	58.5	158
288	DNA-Directed Functionalization of Colloidal Gold with Proteins This work was supported by Deutsche Forschungsgemeinschaft and Fonds der Chemischen Industrie. We thank Prof. D. Blohm for helpful discussions and generous support.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3685-3688	16.4	158
287	DNA microarrays with PAMAM dendritic linker systems. <i>Nucleic Acids Research</i> , 2002 , 30, E10	20.1	151
286	Rationaler Entwurf von DNA-Nanoarchitekturen. <i>Angewandte Chemie</i> , 2006 , 118, 1888-1910	3.6	145
285	Performance of antibody microarrays fabricated by either DNA-directed immobilization, direct spotting, or streptavidin-biotin attachment: a comparative study. <i>Analytical Biochemistry</i> , 2004 , 330, 281-7	3.1	144
284	DNA-Directed immobilization: efficient, reversible, and site-selective surface binding of proteins by means of covalent DNA-streptavidin conjugates. <i>Analytical Biochemistry</i> , 1999 , 268, 54-63	3.1	144
283	Crown Ethers with a Lewis Acidic Center: A New Class of Heterotopic Host Molecules. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1472-1474		144
282	Diels-Alder ligation and surface immobilization of proteins. <i>Angewandte Chemie - International Edition</i> , 2005 , 45, 296-301	16.4	143
281	Reversible switching of DNA-gold nanoparticle aggregation. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6469-71	16.4	137
280	DNA Microarrays. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2865-2869	16.4	134
279	Nanomechanical devices based on DNA. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3779-83	16.4	130
278	Site-selective protein immobilization by Staudinger ligation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1408-12	16.4	129
277	Detecting antigens by quantitative immuno-PCR. <i>Nature Protocols</i> , 2007 , 2, 1918-30	18.8	124
276	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
275	Sensitivity by combination: immuno-PCR and related technologies. <i>Analyst, The</i> , 2008 , 133, 702-18	5	112
274	"Belt and braces": a peptide-based linker system of <i>de novo</i> design. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9388-94	16.4	111
273	DNA-directed assembly of artificial multienzyme complexes. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 377, 62-7	3.4	110

272	Nanohybrids composed of quantum dots and cytochrome P450 as photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 504-7	16.4	109
271	DNA-Based Assembly of Metal Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3641-3655	16.4	107
270	Covalent hemin-DNA adducts for generating a novel class of artificial heme enzymes. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2603-6	16.4	107
269	Functional hybrid devices of proteins and inorganic nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5796-800	16.4	104
268	Apoenzyme reconstitution as a chemical tool for structural enzymology and biotechnology. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1550-74	16.4	102
267	Cascades in Compartments: En Route to Machine-Assisted Biotechnology. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13574-13589	16.4	101
266	DDI-microFIA--A readily configurable microarray-fluorescence immunoassay based on DNA-directed immobilization of proteins. <i>ChemBioChem</i> , 2004 , 5, 453-9	3.8	96
265	Applications of protein biochips in biomedical and biotechnological research. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7744-51	16.4	93
264	Oligofunctional DNA-gold nanoparticle conjugates. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5766-70	16.4	91
263	DNA-mediated assembly of cytochrome P450 BM3 subdomains. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16111-8	16.4	90
262	Oriented immobilization of farnesylated proteins by the thiol-ene reaction. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1252-7	16.4	87
261	A real-time immuno-PCR assay for routine ultrasensitive quantification of proteins. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 240-50	3.4	81
260	Sensitive detection of proteins using difunctional DNA-gold nanoparticles. <i>Small</i> , 2005 , 1, 844-8	11	80
259	Site-selective immobilization of gold nanoparticles functionalized with DNA oligomers. <i>Colloid and Polymer Science</i> , 2001 , 279, 68-72	2.4	80
258	Fluorometric polymerase chain reaction (PCR) enzyme-linked immunosorbent assay for quantification of immuno-PCR products in microplates. <i>Analytical Biochemistry</i> , 1997 , 246, 140-5	3.1	78
257	Advances in DNA-directed immobilization. <i>Current Opinion in Chemical Biology</i> , 2014 , 18, 8-15	9.7	77
256	Synthesis of protein-nucleic acid conjugates by expressed protein ligation. <i>Chemical Communications</i> , 2003 , 822-3	5.8	77
255	Magneto immuno-PCR: a novel immunoassay based on biogenic magnetosome nanoparticles. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 357, 391-6	3.4	76

254	A microarray strategy for mapping the substrate specificity of protein tyrosine phosphatase. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7700-3	16.4	75
253	Toward multiprotein nanoarrays using nanografting and DNA directed immobilization of proteins. <i>Nano Letters</i> , 2009 , 9, 2614-8	11.5	73
252	Combination of DNA-directed immobilization and immuno-PCR: very sensitive antigen detection by means of self-assembled DNA-protein conjugates. <i>Nucleic Acids Research</i> , 2003 , 31, e90	20.1	73
251	Nucleic acid supercoiling as a means for ionic switching of DNA--nanoparticle networks. <i>ChemBioChem</i> , 2001 , 2, 260-4	3.8	73
250	Functional devices from DNA and proteins. <i>Nano Today</i> , 2007 , 2, 42-52	17.9	72
249	"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
248	Synthesis of fluorescent oligonucleotide--EYFP conjugate: towards supramolecular construction of semisynthetic biomolecular antennae. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2203-6	3.9	71
247	Assembly and purification of enzyme-functionalized DNA origami structures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6745-50	16.4	69
246	Dynamic light-scattering analysis of the electrostatic interaction of hexahistidine-tagged cytochrome P450 enzyme with semiconductor quantum dots. <i>ChemPhysChem</i> , 2006 , 7, 1112-8	3.2	69
245	From DNA Nanotechnology to Material Systems Engineering. <i>Advanced Materials</i> , 2019 , 31, e1806294	24	69
244	Multiscale Origami Structures as Interface for Cells. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15813-7	16.4	68
243	DNA as a Material for Nanotechnology. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 585-587		68
242	DNA-directed immobilization of horseradish peroxidase-DNA conjugates on microelectrode arrays: towards electrochemical screening of enzyme libraries. <i>Chemistry - A European Journal</i> , 2007 , 13, 5223-34	4.8	68
241	Orthogonal Protein Decoration of DNA Origami. <i>Angewandte Chemie</i> , 2010 , 122, 9568-9573	3.6	63
240	Self-Immobilizing Fusion Enzymes for Compartmentalized Biocatalysis. <i>ACS Catalysis</i> , 2017 , 7, 7866-7872	13.1	61
239	Heterotopic Host Molecules for Binding Two Different Guests. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1474-1476		61
238	Dynamic scanning force microscopy study of self-assembled DNA-protein nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 447-452	2.6	60
237	Photocatalytic activity of colloidal CdS nanoparticles with different capping ligands. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6348		58

236	Detection of rViscumin in plasma samples by immuno-PCR. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 300, 757-63	3.4	58
235	Light-induced triggering of peroxidase activity using quantum dots. <i>ChemBioChem</i> , 2007 , 8, 2195-8	3.8	57
234	Progress in Engineering upnanotechnology devices utilizing DNA as a construction material. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 68, 119-124	2.6	57
233	DNA-Origami: die Kunst, DNA zu falten. <i>Angewandte Chemie</i> , 2012 , 124, 60-69	3.6	56
232	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
231	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
230	Kovalente DNA-Streptavidin-Konjugate als Bausteine fflneuartige biometallische Nanostrukturen. <i>Angewandte Chemie</i> , 1998 , 110, 2391-2395	3.6	56
229	Bifunctional DNA-gold nanoparticle conjugates as building blocks for the self-assembly of cross-linked particle layers. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 311, 995-9	3.4	55
228	Reversible Switching of DNA Gold Nanoparticle Aggregation. <i>Angewandte Chemie</i> , 2004 , 116, 6631-6633	3.6	53
227	High-quality mapping of DNA-protein complexes by dynamic scanning force microscopy. <i>ChemPhysChem</i> , 2001 , 2, 384-8	3.2	53
226	Biochips for cell biology by combined dip-pen nanolithography and DNA-directed protein immobilization. <i>Small</i> , 2013 , 9, 4243-9	11	51
225	Generation of live-cell microarrays by means of DNA-Directed immobilization of specific cell-surface ligands. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4180-3	16.4	51
224	Multifunctional Silica Nanoparticles for Covalent Immobilization of Highly Sensitive Proteins. <i>Advanced Materials</i> , 2015 , 27, 7945-50	24	50
223	Semisynthetic biogenic magnetosome nanoparticles for the detection of proteins and nucleic acids. <i>Small</i> , 2006 , 2, 1251-5	11	50
222	Bioorganic applications of semisynthetic DNA-protein conjugates. <i>Chemistry - A European Journal</i> , 2001 , 7, 3188-95	4.8	50
221	Self-Assembling All-Enzyme Hydrogels for Flow Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17028-17032	16.4	47
220	Preparation of biomolecule microstructures and microarrays by thiol-ene photoimmobilization. <i>ChemBioChem</i> , 2010 , 11, 235-47	3.8	45
219	Nanotechnology. Tools for the biomolecular engineer. <i>Science</i> , 2002 , 297, 62-3	33.3	45

218	Kinetic analysis of semisynthetic peroxidase enzymes containing a covalent DNA-heme adduct as the cofactor. <i>Chemistry - A European Journal</i> , 2006 , 12, 7448-57	4.8	44
217	Detection of Rotavirus from stool samples using a standardized immuno-PCR ("Imperacer") method with end-point and real-time detection. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 1289-94	3.4	44
216	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
215	Direct readout of protein-protein interactions by mass spectrometry from protein-DNA microarrays. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7635-9	16.4	43
214	Hybridization characteristics of biomolecular adaptors, covalent DNA--streptavidin conjugates. <i>Bioconjugate Chemistry</i> , 1998 , 9, 168-75	6.3	43
213	Lithium Ion Recognition with Nanofluidic Diodes through Host-Guest Complexation in Confined Geometries. <i>Analytical Chemistry</i> , 2018 , 90, 6820-6826	7.8	42
212	Engineering and assaying of cytochrome P450 biocatalysts. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 1059-73	4.4	42
211	Dendritic DNA building blocks for amplified detection assays and biomaterials. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5996-6000	16.4	41
210	Site-Selective Protein Immobilization by Staudinger Ligation. <i>Angewandte Chemie</i> , 2006 , 118, 1436-1440	3.6	41
209	Microarray-based in vitro evaluation of DNA oligomer libraries designed in silico. <i>ChemPhysChem</i> , 2004 , 5, 367-72	3.2	40
208	Reagent control in the aldol addition of chiral boron enolates based on the 2,5-diphenylborolane ligand system. <i>Tetrahedron Letters</i> , 1990 , 31, 3863-3866	2	40
207	Label-Free Pyrophosphate Recognition with Functionalized Asymmetric Nanopores. <i>Small</i> , 2016 , 12, 2014-21	11	40
206	Ionic Transport through Chemically Functionalized Hydrogen Peroxide-Sensitive Asymmetric Nanopores. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19541-5	9.5	39
205	A protein-interaction array inside a living cell. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4790-4794	16.4	39
204	Surface immobilization of biomolecules by click sulfonamide reaction. <i>Chemical Communications</i> , 2008 , 3723-5	5.8	39
203	Nanomechanische Bauelemente auf DNA-Basis. <i>Angewandte Chemie</i> , 2002 , 114, 3933-3937	3.6	39
202	DNA-Mikroarrays. <i>Angewandte Chemie</i> , 1999 , 111, 3039-3043	3.6	39
201	Orthogonal protein decoration of DNA nanostructures. <i>Small</i> , 2011 , 7, 3211-8	11	38

200	Reversible binding of fluorescent proteins at DNA-gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6827-30	16.4	38
199	Synthesis of covalent DNA-protein conjugates by expressed protein ligation. <i>Molecular BioSystems</i> , 2005 , 1, 64-9		38
198	Staudinger-Ligation: eine Immobilisierungsstrategie zur Herstellung von Wirkstoff-Arrays. <i>Angewandte Chemie</i> , 2003 , 115, 6010-6014	3.6	38
197	User configurable microfluidic device for multiplexed immunoassays based on DNA-directed assembly. <i>Analytical Chemistry</i> , 2009 , 81, 1275-9	7.8	37
196	A facile method for preparation of tailored scaffolds for DNA-origami. <i>Small</i> , 2014 , 10, 73-7	11	36
195	Semi-synthetic DNA-protein conjugates: novel tools in analytics and nanobiotechnology. <i>Biochemical Society Transactions</i> , 2004 , 32, 51-3	5.1	35
194	Orthogonal Surface Tags for Whole-Cell Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2183-2186	16.4	34
193	Configurable low-cost plotter device for fabrication of multi-color sub-cellular scale microarrays. <i>Small</i> , 2014 , 10, 2870-6	11	34
192	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
191	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
190	Formation of electrically conducting DNA-assembled gold nanoparticle monolayers. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1338		33
189	A single-molecule FRET resonance energy transfer analysis of fluorescent DNA-protein conjugates for nanobiotechnology. <i>Small</i> , 2006 , 2, 1083-9	11	33
188	DNA microarrays as decoding tools in combinatorial chemistry and chemical biology. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3179-83	16.4	33
187	"Molecular Activity Painting": Switch-like, Light-Controlled Perturbations inside Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5916-5920	16.4	32
186	Immuno-PCR assays for immunogenicity testing. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 278-82	3.4	32
185	Analysis of heme-reconstitution of apoenzymes by means of surface plasmon resonance. <i>Chemical Communications</i> , 2009 , 230-2	5.8	32
184	Capture and culturing of living cells on microstructured DNA substrates. <i>Small</i> , 2010 , 6, 2162-8	11	32
183	Self-Assembly of Crosslinked DNA-Gold Nanoparticle Layers Visualized by In-Situ Scanning Force Microscopy. <i>Advanced Materials</i> , 2005 , 17, 1643-1647	24	32

182	Nanostructured dna-protein aggregates consisting of covalent oligonucleotide-streptavidin conjugates. <i>Bioconjugate Chemistry</i> , 2001 , 12, 364-71	6.3	32
181	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
180	Reversible reconfiguration of DNA origami nanochambers monitored by single-molecule FRET. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3592-7	16.4	31
179	Tuning of peroxidase activity by covalently tethered DNA oligonucleotides. <i>Bioconjugate Chemistry</i> , 2009 , 20, 969-75	6.3	31
178	Microtiter plate-based screening for the optimization of DNA-protein conjugate synthesis by means of expressed protein ligation. <i>ChemBioChem</i> , 2007 , 8, 61-7	3.8	31
177	A generic building block for C- and N-terminal protein-labeling and protein-immobilization. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 6288-306	3.4	31
176	Oligofunktionale Konjugate aus DNA und Gold-Nanopartikeln. <i>Angewandte Chemie</i> , 2003 , 115, 5944-5948	36	31
175	Hapten-Functionalized DNA-Streptavidin Nanocircles as Supramolecular Reagents in a Competitive Immuno-PCR Assay. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3169-3172	16.4	31
174	DNA-vermittelte Funktionalisierung von Goldkolloiden mit Proteinen. <i>Angewandte Chemie</i> , 2001 , 113, 3798-3801	3.6	30
173	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
172	Designed Intercalators for Modification of DNA Origami Surface Properties. <i>Chemistry - A European Journal</i> , 2015 , 21, 9440-6	4.8	29
171	Addressable microfluidic polymer chip for DNA-directed immobilization of oligonucleotide-tagged compounds. <i>Small</i> , 2009 , 5, 1547-52	11	29
170	Functionalization of covalent DNA-streptavidin conjugates by means of biotinylated modulator components. <i>Bioconjugate Chemistry</i> , 1999 , 10, 708-19	6.3	29
169	The chemistry of cyborgs-interfacing technical devices with organisms. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13942-57	16.4	28
168	Rapid synthesis of DNA-cysteine conjugates for expressed protein ligation. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 335, 943-8	3.4	27
167	Kovalente Häm-DNA-Addukte zur Herstellung einer neuartigen Klasse artifizieller Häm-Enzyme. <i>Angewandte Chemie</i> , 2005 , 117, 2659-2662	3.6	27
166	Rational engineering of dynamic DNA systems. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3871-3874	16.4	26
165	Molecular Recognition of Primary Amines by Three-Point Binding with Boron-Containing Host Molecules. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1017-1019		26

164	Photocatalytic activity of protein-conjugated CdS nanoparticles. <i>Small</i> , 2010 , 6, 2035-40	11	25
163	Heterotope Wirtmoleküle zur Einlagerung von zwei verschiedenen Gärten. <i>Angewandte Chemie</i> , 1991 , 103, 1517-1519	3.6	25
162	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
161	Biocompatibility of Amine-Functionalized Silica Nanoparticles: The Role of Surface Coverage. <i>Small</i> , 2019 , 15, e1805400	11	24
160	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
159	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
158	DNA-directed assembly of supramolecular fluorescent protein energy transfer systems. <i>Bioconjugate Chemistry</i> , 2007 , 18, 621-7	6.3	24
157	DNA-modification of eukaryotic cells. <i>Small</i> , 2013 , 9, 255-62	11	23
156	Cesium-Induced Ionic Conduction through a Single Nanofluidic Pore Modified with Calixcrown Moieties. <i>Langmuir</i> , 2017 , 33, 9170-9177	4	23
155	Functional immobilization of the small GTPase Rab6A on DNA-Gold nanoparticles by using a site-specifically attached poly(ethylene glycol) linker and thiol place-exchange reaction. <i>ChemBioChem</i> , 2007 , 8, 32-6	3.8	23
154	Nanohybride aus Quantenpunkten und Cytochrom P450 als Photokatalysatoren. <i>Angewandte Chemie</i> , 2006 , 118, 519-522	3.6	23
153	Multi-color polymer pen lithography for oligonucleotide arrays. <i>Chemical Communications</i> , 2016 , 52, 12313-12313		
152	Conjugation of fluorescent proteins with DNA oligonucleotides. <i>Bioconjugate Chemistry</i> , 2010 , 21, 921-76.3	22	
151	A Rationally Designed Connector for Assembly of Protein-Functionalized DNA Nanostructures. <i>ChemBioChem</i> , 2016 , 17, 1102-6	3.8	21
150	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
149	Valency engineering of monomeric enzymes for self-assembling biocatalytic hydrogels. <i>Chemical Science</i> , 2019 , 10, 9752-9757	9.4	20
148	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
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