

Nicholas J Mitchell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6721932/publications.pdf>

Version: 2024-02-01

27
papers

1,022
citations

471509

17
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Additive-Free Selenocysteine-Selenoester Peptide Ligation. <i>Journal of the American Chemical Society</i> , 2015, 137, 14011-14014.	13.7	181
2	Oxidative Deselenization of Selenocysteine: Applications for Programmed Ligation at Serine. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12716-12721.	13.8	84
3	A DNA Nanostructure for the Functional Assembly of Chemical Groups with Tunable Stoichiometry and Defined Nanoscale Geometry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 525-527.	13.8	78
4	Incorporation of paramagnetic, fluorescent and PET/SPECT contrast agents into liposomes for multimodal imaging. <i>Biomaterials</i> , 2013, 34, 1179-1192.	11.4	69
5	Peptide ligation chemistry at selenol amino acids. <i>Journal of Peptide Science</i> , 2014, 20, 64-77.	1.4	65
6	Accelerated Protein Synthesis via One-Pot Ligation-Deselenization Chemistry. <i>CheM</i> , 2017, 2, 703-715.	11.7	64
7	Chemical Tags Facilitate the Sensing of Individual DNA Strands with Nanopores. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5565-5568.	13.8	55
8	Construction of Challenging Proline-Proline Junctions via Diselenide-Selenoester Ligation Chemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 13327-13334.	13.7	55
9	PP1 initiates the dephosphorylation of MASTL, triggering mitotic exit and bistability in human cells. <i>Journal of Cell Science</i> , 2016, 129, 1340-54.	2.0	44
10	Nanoscale Protein Pores Modified with PAMAM Dendrimers. <i>Journal of the American Chemical Society</i> , 2007, 129, 9640-9649.	13.7	38
11	One-Pot Ligation-Oxidative Deselenization at Selenocysteine and Selenocystine. <i>Chemistry - A European Journal</i> , 2017, 23, 946-952.	3.3	37
12	Single-Molecule AFM Characterization of Individual Chemically Tagged DNA Tetrahedra. <i>ACS Nano</i> , 2011, 5, 7048-7054.	14.6	33
13	Chemically Labeled Nucleotides and Oligonucleotides Encode DNA for Sensing with Nanopores. <i>Journal of the American Chemical Society</i> , 2009, 131, 7530-7531.	13.7	22
14	Site-Selective Modification of Peptides and Proteins via Interception of Free Radical-Mediated Dechlorination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23659-23667.	13.8	22
15	Site-Selective Installation of N ³ -Modified Sidechains into Peptide and Protein Scaffolds via Visible-Light-Mediated Desulfurative C-C Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	21
16	Disentangling Steric and Electrostatic Factors in Nanoscale Transport Through Confined Space. <i>Nano Letters</i> , 2013, 13, 3890-3896.	9.1	19
17	Detecting intratumoral heterogeneity of EGFR activity by liposome-based in vivo transfection of a fluorescent biosensor. <i>Oncogene</i> , 2017, 36, 3618-3628.	5.9	16
18	Single addition of an allylamine monomer enables access to end-functionalized RAFT polymers for native chemical ligation. <i>Chemical Communications</i> , 2016, 52, 12952-12955.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Chemical Tags Mediate the Orthogonal Self-Assembly of DNA Duplexes into Supramolecular Structures. <i>Small</i> , 2010, 6, 1732-1735.	10.0	12
20	Development of lipopolyplexes for gene delivery: A comparison of the effects of differing modes of targeting peptide display on the structure and transfection activities of lipopolyplexes. <i>Journal of Peptide Science</i> , 2018, 24, e3131.	1.4	11
21	Site-Selective Installation of N ^μ -Modified Sidechains into Peptide and Protein Scaffolds via Visible-Light-Mediated Desulfurative C-C Bond Formation. <i>Angewandte Chemie</i> , 2022, 134, e202110223.	2.0	9
22	Inside Cover: Chemical Tags Facilitate the Sensing of Individual DNA Strands with Nanopores (Angew.) <i>Angewandte Chemie International Edition</i> , 2022, 61, e202200000. <small>13.8 / 8</small>	13.8	8
23	Mimicking Native Display of CD0873 on Liposomes Augments Its Potency as an Oral Vaccine against <i>Clostridioides difficile</i> . <i>Vaccines</i> , 2021, 9, 1453.	4.4	5
24	Site-Selective Modification of Peptides and Proteins via Interception of Free-Radical-Mediated Dechalcogenation. <i>Angewandte Chemie</i> , 2020, 132, 23867-23875.	2.0	4
25	The Chemical Synthesis of Site-Specifically Modified Proteins Via Diselenide-Selenoester Ligation. <i>Methods in Molecular Biology</i> , 2021, 2355, 231-251.	0.9	1
26	A DNA Nanostructure for the Functional Assembly of Chemical Groups with Tunable Stoichiometry and Defined Nanoscale Geometry. <i>Angewandte Chemie</i> , 2009, 121, 9178-9178.	2.0	0
27	A DNA Nanostructure for the Functional Assembly of Chemical Groups with Tunable Stoichiometry and Defined Nanoscale Geometry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9016-9016.	13.8	0