

Sergii Kolodych

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,128
citations

393982

19
h-index

610482

24
g-index

27
all docs

27
docs citations

27
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of Chemoselective and Biocompatible Reactions Using a High-Throughput Immunoassay Screening. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12056-12060.	7.2	106
2	Iridium-Catalyzed Cycloaddition of Azides and 1-Bromoalkynes at Room Temperature. <i>Organic Letters</i> , 2013, 15, 4698-4701.	2.4	97
3	Targeting the tumour microenvironment with an enzyme-responsive drug delivery system for the efficient therapy of breast and pancreatic cancers. <i>Chemical Science</i> , 2017, 8, 3427-3433.	3.7	95
4	Ultrafast Click Chemistry with Fluorosydrones. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12073-12077.	7.2	93
5	Bioorthogonal Click and Release Reaction of Iminosydrones with Cycloalkynes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15612-15616.	7.2	91
6	Antibody-Oligonucleotide Conjugates as Therapeutic, Imaging, and Detection Agents. <i>Bioconjugate Chemistry</i> , 2019, 30, 2483-2501.	1.8	83
7	4-Halogeno-sydrones for fast strain promoted cycloaddition with bicyclo-[6.1.0]-nonyne. <i>Chemical Communications</i> , 2014, 50, 9376-9378.	2.2	72
8	CBTF: New Amine-to-Thiol Coupling Reagent for Preparation of Antibody Conjugates with Increased Plasma Stability. <i>Bioconjugate Chemistry</i> , 2015, 26, 197-200.	1.8	53
9	Palladium-Catalyzed Chemoselective and Biocompatible Functionalization of Cysteine-Containing Molecules at Room Temperature. <i>Chemistry - A European Journal</i> , 2016, 22, 11365-11370.	1.7	51
10	Copper(I)-Catalyzed Cycloaddition of 4-Bromosydrones and Alkynes for the Regioselective Synthesis of 1,4,5-Trisubstituted Pyrazoles. <i>Organic Letters</i> , 2015, 17, 362-365.	2.4	46
11	2-(Maleimidomethyl)-1,3-Dioxanes (MD): a Serum-Stable Self-hydrolysable Hydrophilic Alternative to Classical Maleimide Conjugation. <i>Scientific Reports</i> , 2016, 6, 30835.	1.6	39
12	Development and evaluation of β -galactosidase-sensitive antibody-drug conjugates. <i>European Journal of Medicinal Chemistry</i> , 2017, 142, 376-382.	2.6	38
13	Reaction Discovery by Using a Sandwich Immunoassay. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6144-6148.	7.2	36
14	Design and Synthesis of Iminosydrones for Fast Click and Release Reactions with Cycloalkynes. <i>Chemistry - A European Journal</i> , 2018, 24, 8535-8541.	1.7	33
15	Bioorthogonal Click and Release Reaction of Iminosydrones with Cycloalkynes. <i>Angewandte Chemie</i> , 2017, 129, 15818-15822.	1.6	32
16	Acyl Fluorides: Fast, Efficient, and Versatile Lysine-Based Protein Conjugation via Plug-and-Play Strategy. <i>Bioconjugate Chemistry</i> , 2017, 28, 1452-1457.	1.8	31
17	Discovery of Chemoselective and Biocompatible Reactions Using a High-Throughput Immunoassay Screening. <i>Angewandte Chemie</i> , 2013, 125, 12278-12282.	1.6	28
18	Reduction-rebridging strategy for the preparation of ADPN-based antibody-drug conjugates. <i>MedChemComm</i> , 2018, 9, 827-830.	3.5	24

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19	Ultrafast Click Chemistry with Fluorosynones. <i>Angewandte Chemie</i> , 2016, 128, 12252-12256.	1.6	20
20	On the use of DNA as a linker in antibody-drug conjugates: synthesis, stability and in vitro potency. <i>Scientific Reports</i> , 2020, 10, 7691.	1.6	20
21	Automated linkage of proteins and payloads producing monodisperse conjugates. <i>Chemical Science</i> , 2020, 11, 1210-1215.	3.7	19
22	MAPN: First-in-Class Reagent for Kinetically Resolved Thiol-to-Thiol Conjugation. <i>Bioconjugate Chemistry</i> , 2015, 26, 1863-1867.	1.8	11
23	Non-specific interactions of antibody-oligonucleotide conjugates with living cells. <i>Scientific Reports</i> , 2021, 11, 5881.	1.6	5