

Lech-Gustav Milroy

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,452
citations

236612

25
h-index

205818

48
g-index

57
all docs

57
docs citations

57
times ranked

3748
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulators of Protein-Protein Interactions. <i>Chemical Reviews</i> , 2014, 114, 4695-4748.	23.0	407
2	Supramolecular Chemistry Targeting Proteins. <i>Journal of the American Chemical Society</i> , 2017, 139, 13960-13968.	6.6	169
3	Metal-Free Photocatalytic Aerobic Oxidation of Thiols to Disulfides in Batch and Continuous-Flow. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2180-2186.	2.1	164
4	Stabilization of protein-protein interactions in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 925-940.	2.5	129
5	Characterization and small-molecule stabilization of the multisite tandem binding between 14-3-3 and the R domain of CFTR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1152-61.	3.3	121
6	Synthesis and Structure-Activity Correlation of Natural-Product Inspired Cyclodepsipeptides Stabilizing F-Actin. <i>Journal of the American Chemical Society</i> , 2010, 132, 3063-3077.	6.6	97
7	Batch and Flow Synthesis of Disulfides by Visible-Light-Induced TiO ₂ Photocatalysis. <i>ChemSusChem</i> , 2016, 9, 1781-1785.	3.6	88
8	Chemical variation of natural product-like scaffolds: design and synthesis of spiroketal derivatives. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1977.	1.5	85
9	A Binary Bivalent Supramolecular Assembly Platform Based on Cucurbit[8]uril and Dimeric Adapter Protein 14-3-3. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8998-9002.	7.2	81
10	Stabilization and Inhibition of Protein-Protein Interactions: The 14-3-3 Case Study. <i>ACS Chemical Biology</i> , 2013, 8, 27-35.	1.6	78
11	Selective Chemical Imaging of Static Actin in Live Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 8480-8486.	6.6	62
12	Supramolecular Control over Split-Luciferase Complementation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8899-8903.	7.2	58
13	Stabilizer-Guided Inhibition of Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15720-15724.	7.2	56
14	Structural interface between LRRK2 and 14-3-3 protein. <i>Biochemical Journal</i> , 2017, 474, 1273-1287.	1.7	54
15	Chemical Variation of Natural-Product-Like Scaffolds: Design, Synthesis, and Biological Activity of Fused Bicyclic Acetal Derivatives. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2493-2496.	7.2	51
16	Subcellular Fractionation and Localization Studies Reveal a Direct Interaction of the Fragile X Mental Retardation Protein (FMRP) with Nucleolin. <i>PLoS ONE</i> , 2014, 9, e91465.	1.1	51
17	Allosteric Modulation of Hormone Release from Thyroxine and Corticosteroid-binding Globulins. <i>Journal of Biological Chemistry</i> , 2011, 286, 16163-16173.	1.6	45
18	Proline Primed Helix Length as a Modulator of the Nuclear Receptor-Coactivator Interaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 4364-4371.	6.6	42

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19	Characterization of Coding/Noncoding Variants for SHROOM3 in Patients with CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1525-1535.	3.0	40
20	Semisynthetic Bioluminescent Sensor Proteins for Direct Detection of Antibodies and Small Molecules in Solution. <i>ACS Sensors</i> , 2017, 2, 1730-1736.	4.0	35
21	Structure-based evolution of a promiscuous inhibitor to a selective stabilizer of protein-protein interactions. <i>Nature Communications</i> , 2020, 11, 3954.	5.8	35
22	Cooperativity basis for small-molecule stabilization of protein-protein interactions. <i>Chemical Science</i> , 2019, 10, 2869-2874.	3.7	30
23	Ligand-Based Design of Allosteric Retinoic Acid Receptor-Related Orphan Receptor $\hat{3}$ t (ROR $\hat{3}$ t) Inverse Agonists. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 241-259.	2.9	30
24	Inhibition of 14-3-3/Tau by Hybrid Small-Molecule Peptides Operating via Two Different Binding Modes. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2639-2654.	1.7	29
25	Biophysical Characterization of Nucleophosmin Interactions with Human Immunodeficiency Virus Rev and Herpes Simplex Virus US11. <i>PLoS ONE</i> , 2015, 10, e0143634.	1.1	27
26	Supramolecular Control over Split-Luciferase Complementation. <i>Angewandte Chemie</i> , 2016, 128, 9045-9049.	1.6	26
27	A Binary Bivalent Supramolecular Assembly Platform Based on Cucurbit[8]uril and Dimeric Adapter Protein 14-3-3. <i>Angewandte Chemie</i> , 2017, 129, 9126-9130.	1.6	26
28	Dual-Input Regulation and Positional Control in Hybrid Oligonucleotide/Discotic Supramolecular Wires. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4976-4980.	7.2	25
29	Synthesis and Self-Assembly of Bay-Substituted Perylene Diimide Gemini-Type Surfactants as Off-On Fluorescent Probes for Lipid Bilayers. <i>Chemistry - A European Journal</i> , 2018, 24, 7734-7741.	1.7	24
30	Solid-Phase-Based Synthesis of Ureidopyrimidinone-Peptide Conjugates for Supramolecular Biomaterials. <i>Synlett</i> , 2015, 26, 2707-2713.	1.0	23
31	Immobilization of Ferrocene-Modified SNAP-Fusion Proteins. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4066-4080.	1.8	19
32	The Renaissance of Ras. <i>ACS Chemical Biology</i> , 2014, 9, 2447-2458.	1.6	19
33	Divergent Solid-Phase Synthesis of Natural Product-Inspired Bipartite Cyclodepsipeptides: Total Synthesis of Seragamide...A. <i>Chemistry - A European Journal</i> , 2015, 21, 5311-5316.	1.7	19
34	Ligand Dependent Switch from RXR Homo- to RXR-NURR1 Heterodimerization. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2065-2077.	1.7	19
35	Strong supramolecular control over protein self-assembly using a polyamine decorated $\hat{2}$ -cyclodextrin as synthetic recognition element. <i>Journal of Materials Chemistry</i> , 2011, 21, 18919.	6.7	17
36	A sample preparation method for recovering suppressed analyte ions in MALDI TOF MS. <i>Journal of Mass Spectrometry</i> , 2015, 50, 766-770.	0.7	16

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37	Relationship between Side-Chain Polarity and the Self-Assembly Characteristics of Perylene Diimide Derivatives in Aqueous Solution. <i>ChemistryOpen</i> , 2017, 6, 266-272.	0.9	14
38	Structure-activity relationship studies of miniproteins targeting the androgen receptor-coactivator interaction. <i>MedChemComm</i> , 2013, 4, 187-192.	3.5	11
39	Designed Spiroketal Protein Modulation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5480-5484.	7.2	11
40	Generation of gas-phase ions from charged clusters: an important ionization step causing suppression of matrix and analyte ions in matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2628-2634.	0.7	10
41	Mutually Exclusive Cellular Uptake of Combinatorial Supramolecular Copolymers. <i>Chemistry - A European Journal</i> , 2018, 24, 16445-16451.	1.7	10
42	Pharmaceutical implications of helix length control in helix-mediated protein-protein interactions. <i>Future Medicinal Chemistry</i> , 2013, 5, 2175-2183.	1.1	9
43	Communication: Probing the absolute configuration of chiral molecules at aqueous interfaces. <i>Journal of Chemical Physics</i> , 2015, 143, 201101.	1.2	9
44	Tetrazine-trans-Cyclooctene Chemistry Applied to Fabricate Self-Assembled Fluorescent and Radioactive Nanoparticles for <i>in Vivo</i> Dual Mode Imaging. <i>Bioconjugate Chemistry</i> , 2019, 30, 547-551.	1.8	9
45	Dual-Input Regulation and Positional Control in Hybrid Oligonucleotide/Discotic Supramolecular Wires. <i>Angewandte Chemie</i> , 2018, 130, 5070-5074.	1.6	8
46	Hydrophobicity determines the fate of self-assembled fluorescent nanoparticles in cells. <i>Chemical Communications</i> , 2017, 53, 1626-1629.	2.2	7
47	A study on the effect of synthetic \pm -to- \mp -amino acid mutations on the binding of phosphopeptides to 14-3-3 proteins. <i>Chemical Communications</i> , 2019, 55, 14809-14812.	2.2	7
48	A Structural Study of the Cytoplasmic Chaperone Effect of 14-3-3 Proteins on Ataxin-1. <i>Journal of Molecular Biology</i> , 2021, 433, 167174.	2.0	7
49	Inhibition of Ice Recrystallization by Nanotube-Forming Cyclic Peptides. <i>Biomacromolecules</i> , 2022, , .	2.6	7
50	Estrogen Receptor Folding Modulates cSrc Kinase SH2 Interaction via a Helical Binding Mode. <i>ACS Chemical Biology</i> , 2015, 10, 2624-2632.	1.6	6
51	Optimizing charge state distribution is a prerequisite for accurate protein biomarker quantification with LC-MS/MS, as illustrated by hepcidin measurement. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 1490-1497.	1.4	5
52	A multi-gram-scale stereoselective synthesis of Z-endoxifen. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1352-1356.	1.0	4
53	Fragmentation of organic ions bearing fixed multiple charges observed in MALDI MS.	0.7	3
54	Molecular basis for inhibition of adhesin-mediated bacterial-host interactions through a peptide-binding domain. <i>Cell Reports</i> , 2021, 37, 110002.	2.9	3

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55	Designed Spiroketal Protein Modulation. <i>Angewandte Chemie</i> , 2017, 129, 5572-5576.	1.6	1