

# Dominik K KÄlmel

## List of Publications by Year in descending order

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43  
papers

1,639  
citations

394421

19  
h-index

414414

32  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oximes and Hydrazones in Bioconjugation: Mechanism and Catalysis. <i>Chemical Reviews</i> , 2017, 117, 10358-10376.	47.7	450
2	Decarboxylative alkylation for site-selective bioconjugation of native proteins via oxidation potentials. <i>Nature Chemistry</i> , 2018, 10, 205-211.	13.6	272
3	Luminescent Cell-Penetrating Pentadecanuclear Lanthanide Clusters. <i>Journal of the American Chemical Society</i> , 2013, 135, 7454-7457.	13.7	110
4	Employing Photoredox Catalysis for DNA-Encoded Chemistry: Decarboxylative Alkylation of $\alpha$ -Amino Acids. <i>ChemMedChem</i> , 2018, 13, 2159-2165.	3.2	86
5	On-DNA Decarboxylative Arylation: Merging Photoredox with Nickel Catalysis in Water. <i>ACS Combinatorial Science</i> , 2019, 21, 588-597.	3.8	72
6	Azides $\leftrightarrow$ Diazonium Ions $\leftrightarrow$ Triazenes: Versatile Nitrogen-rich Functional Groups. <i>Australian Journal of Chemistry</i> , 2014, 67, 328.	0.9	70
7	Merging C(sp <sup>3</sup> )-H activation with DNA-encoding. <i>Chemical Science</i> , 2020, 11, 12282-12288.	7.4	57
8	Photocatalytic [2 + 2] Cycloaddition in DNA-Encoded Chemistry. <i>Organic Letters</i> , 2020, 22, 2908-2913.	4.6	51
9	Investigating rhodamine $\beta$ -labeled peptoids: Scopes and limitations of its applications. <i>Biopolymers</i> , 2011, 96, 694-701.	2.4	47
10	RASS-Enabled S/P $\alpha$ -C and S $\alpha$ -N Bond Formation for DEL Synthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7377-7383.	13.8	44
11	Photoredox cross-electrophile coupling in DNA-encoded chemistry. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 201-208.	2.1	38
12	Linear and Nonlinear Optical Spectroscopy of Fluoroalkylated BODIPY Dyes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4538-4545.	3.1	37
13	Color-Change Photoswitching of an Alkynylpyrene Excimer Dye. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6497-6501.	13.8	34
14	Novel Prodrug of Doxorubicin Modified by Stearoylspermine Encapsulated into PEG-Chitosan-Stabilized Liposomes. <i>Langmuir</i> , 2016, 32, 10861-10869.	3.5	33
15	Cell-penetrating peptoids: Introduction of novel cationic side chains. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 231-243.	5.5	27
16	Peptoid-Ligated Pentadecanuclear Yttrium and Dysprosium Hydroxy Clusters. <i>Chemistry - A European Journal</i> , 2015, 21, 2813-2820.	3.3	27
17	Cell Penetrating Peptoids (CPPos): Synthesis of a Small Combinatorial Library by Using IRORI MiniKans. <i>Pharmaceuticals</i> , 2012, 5, 1265-1281.	3.8	24
18	Rhodamine F: a novel class of fluoros ponytailed dyes for bioconjugation. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3954.	2.8	20

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19	Novel Pyridinium Dyes That Enable Investigations of Peptoids at the Single-Molecule Level. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13473-13480.	2.6	19
20	Two-photon absorption in a series of 2,6-disubstituted BODIPY dyes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21683-21690.	2.8	17
21	New Polyfluorinated Cyanine Dyes for Selective NIR Staining of Mitochondria. <i>Chemistry - A European Journal</i> , 2019, 25, 7998-8002.	3.3	17
22	Photophysical properties of fluorescently-labeled peptoids. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4457-4465.	5.5	16
23	Employing Photocatalysis for the Design and Preparation of DNA-Encoded Libraries: A Case Study. <i>Chemical Record</i> , 2021, 21, 616-630.	5.8	14
24	Efficient synthesis of fluorescent alkynyl C-nucleosides via Sonogashira coupling for the preparation of DNA-based polyfluorophores. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6407-6412.	2.8	12
25	RASS-Enabled S/P <sup>α</sup> C and S <sup>α</sup> N Bond Formation for DEL Synthesis. <i>Angewandte Chemie</i> , 2020, 132, 7447-7453.	2.0	9
26	Peptoid-Based Rare-Earth (Group 3 and Lanthanide) Transporters. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2761-2765.	2.4	8
27	Toward the assembly and characterization of an encoded library hit confirmation platform: Bead-Assisted Ligand Isolation Mass Spectrometry (BALI-MS). <i>Bioorganic and Medicinal Chemistry</i> , 2021, 41, 116205.	3.0	8
28	Color-Change Photoswitching of an Alkynylpyrene Excimer Dye. <i>Angewandte Chemie</i> , 2017, 129, 6597-6601.	2.0	7
29	Buchwald-Hartwig Coupling of Piperidines with Hetaryl Bromides. <i>Synfacts</i> , 2019, 15, 1240.	0.0	3
30	Peptoid-Ligated Pentadecanuclear Yttrium and Dysprosium Hydroxy Clusters. <i>Chemistry - A European Journal</i> , 2015, 21, 2713-2713.	3.3	2
31	Highly efficient synthesis of polyfluorinated dendrons suitable for click chemistry. <i>RSC Advances</i> , 2015, 5, 36762-36765.	3.6	2
32	Synthesis of Bis(pyrroloquinoline) Derivatives from Isatins and $\beta^2$ -Keto Amides. <i>Synfacts</i> , 2019, 15, 1356.	0.0	1
33	Combined Photoredox/Hydrogen Transfer for Functionalization of Nonactivated Alkanes. <i>Synfacts</i> , 2018, 14, 1322.	0.0	0
34	Photoredox-Mediated Pyridonation of (Het)Arenes. <i>Synfacts</i> , 2019, 15, 1117.	0.0	0
35	Synthesis of Tetracyclic Dihydroquinolinones by a Knoevenagel/Hetero-Diels-Alder Reaction. <i>Synfacts</i> , 2019, 15, 1357.	0.0	0
36	Electrochemical Alkylation of Hetarenes with Carbazates as Radical Precursors. <i>Synfacts</i> , 2020, 16, 1029.	0.0	0

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37	Copper-Catalyzed Synthesis of $\beta^2$ -Lactams from Oximes and Methyl Propiolate. <i>Synfacts</i> , 2021, 17, 1201.	0.0	0
38	Enhancement of Two-Photon Absorption in Highly Emissive BODIPY Dyes. , 2016, , .		0
39	Electrochemical Coupling of Benzothiophenes with Phenols. <i>Synfacts</i> , 2018, 14, 1237.	0.0	0
40	Kinetic Resolution of BINOLs in Continuous Flow. <i>Synfacts</i> , 2020, 16, 1007.	0.0	0
41	Selective Monoreduction of a Pyridine Diester on a Kilogram Scale. <i>Synfacts</i> , 2020, 16, 1249.	0.0	0
42	Synthesis of Oxygen-Rich Polycyclic Scaffolds. <i>Synfacts</i> , 2020, 16, 1403.	0.0	0
43	Screening Platform for Optimizing Nickel-Catalyzed Suzuki-Miyaura Reactions. <i>Synfacts</i> , 2021, 17, 1322.	0.0	0