JÃ¶rg Scheuermann

List of Publications by Year
in descending order

72 papers	4,524 citations	81839 39 h-index	102432 66 g-index
88 all docs	88 docs citations	88 times ranked	2696 citing authors

#	Article	IF	Citations
1	Macrocyclic DNA-encoded chemical libraries: a historical perspective. RSC Chemical Biology, 2022, 3, 7-17.	2.0	22
2	DNA-encoded chemical libraries. Nature Reviews Methods Primers, 2022, 2, .	11.8	75
3	Universal encoding of next generation DNA-encoded chemical libraries. Chemical Science, 2022, 13, 967-974.	3.7	12
4	Discovery, affinity maturation and multimerization of small molecule ligands against human tyrosinase and tyrosinase-related protein 1. RSC Medicinal Chemistry, 2021, 12, 363-369.	1.7	10
5	A DNAâ€Encoded Chemical Library Based on Peptide Macrocycles. Chemistry - A European Journal, 2021, 27, 7160-7167.	1.7	25
6	Stereo- and regiodefined DNA-encoded chemical libraries enable efficient tumour-targeting applications. Nature Chemistry, 2021, 13, 540-548.	6.6	42
7	Affinity Selections of DNAâ€Encoded Chemical Libraries on Carbonic Anhydrase IXâ€Expressing Tumor Cells Reveal a Dependence on Ligand Valence. Chemistry - A European Journal, 2021, 27, 8985-8993.	1.7	19
8	Large screening of DNA-compatible reaction conditions for Suzuki and Sonogashira cross-coupling reactions and for reverse amide bond formation. Bioorganic and Medicinal Chemistry, 2021, 41, 116206.	1.4	20
9	Specific Inhibitor of Placental Alkaline Phosphatase Isolated from a DNA-Encoded Chemical Library Targets Tumor of the Female Reproductive Tract. Journal of Medicinal Chemistry, 2021, 64, 15799-15809.	2.9	8
10	Modular assembly and encoding strategies for dual-display DNA-encoded chemical libraries. Chemical Communications, 2021, 57, 12289-12292.	2.2	10
11	A Singleâ€Stranded DNAâ€Encoded Chemical Library Based on a Stereoisomeric Scaffold Enables Ligand Discovery by Modular Assembly of Building Blocks. Advanced Science, 2020, 7, 2001970.	5.6	30
12	Selective Fragments for the CREBBP Bromodomain Identified from an Encoded Selfâ€assembly Chemical Library. ChemMedChem, 2020, 15, 1752-1756.	1.6	15
13	Special edition on DNA-Encoded chemical libraries. Biochemical and Biophysical Research Communications, 2020, 533, iii-iv.	1.0	0
14	Complexation with a Cognate Antibody Fragment Facilitates Affinity Measurements of Fluorescein-Linked Small Molecule Ligands. Analytical Chemistry, 2020, 92, 10822-10829.	3.2	9
15	Critical Evaluation of Photo-cross-linking Parameters for the Implementation of Efficient DNA-Encoded Chemical Library Selections. ACS Combinatorial Science, 2020, 22, 204-212.	3.8	28
16	Quantitative and Qualitative Analysis of Humoral Immunity Reveals Continued and Personalized Evolution in Chronic Viral Infection. Cell Reports, 2020, 30, 997-1012.e6.	2.9	34
17	Comparative evaluation of DNA-encoded chemical selections performed using DNA in single-stranded or double-stranded format. Biochemical and Biophysical Research Communications, 2020, 533, 223-229.	1.0	13
18	Automated and enhanced extraction of a small molecule-drug conjugate using an enzyme-inhibitor interaction based SPME tool followed by direct analysis by ESI-MS. Analytical and Bioanalytical Chemistry, 2019, 411, 7387-7398.	1.9	5

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19	Screening of Three Transition Metalâ€Mediated Reactions Compatible with DNAâ€Encoded Chemical Libraries. Helvetica Chimica Acta, 2019, 102, e1900033.	1.0	44
20	Quantitative Assessment of Affinity Selection Performance by Using DNAâ€Encoded Chemical Libraries. ChemBioChem, 2019, 20, 955-962.	1.3	38
21	<scp>DNA</scp>â€encoded chemical libraries â€" achievements and remaining challenges. FEBS Letters, 2018, 592, 2168-2180.	1.3	129
22	Versatile protein recognition by the encoded display of multiple chemical elements on a constant macrocyclic scaffold. Nature Chemistry, 2018, 10, 441-448.	6.6	110
23	Affinity Enhancement of Protein Ligands by Reversible Covalent Modification of Neighboring Lysine Residues. Angewandte Chemie - International Edition, 2018, 57, 17178-17182.	7.2	44
24	Affinity Enhancement of Protein Ligands by Reversible Covalent Modification of Neighboring Lysine Residues. Angewandte Chemie, 2018, 130, 17424-17428.	1.6	14
25	A DNAâ€Encoded Library of Chemical Compounds Based on Common Scaffolding Structures Reveals the Impact of Ligand Geometry on Protein Recognition. ChemMedChem, 2018, 13, 1303-1307.	1.6	37
26	Hitâ€Validation Methodologies for Ligands Isolated from DNAâ€Encoded Chemical Libraries. ChemBioChem, 2017, 18, 853-857.	1.3	30
27	Quantitative PCR is a Valuable Tool to Monitor the Performance of DNAâ€Encoded Chemical Library Selections. ChemBioChem, 2017, 18, 848-852.	1.3	20
28	A Specific and Covalent JNKâ€1 Ligand Selected from an Encoded Selfâ€Assembling Chemical Library. Chemistry - A European Journal, 2017, 23, 8152-8155.	1.7	54
29	Impact of a Central Scaffold on the Binding Affinity of Fragment Pairs Isolated from DNAâ€Encoded Selfâ€Assembling Chemical Libraries. ChemMedChem, 2017, 12, 1748-1752.	1.6	29
30	A Small-Molecule Inhibitor of Lin28. ACS Chemical Biology, 2016, 11, 2773-2781.	1.6	121
31	Optimized Reaction Conditions for Amide Bond Formation in DNA-Encoded Combinatorial Libraries. ACS Combinatorial Science, 2016, 18, 438-443.	3.8	94
32	Automated screening for small organic ligands using DNA-encoded chemical libraries. Nature Protocols, 2016, 11, 764-780.	5.5	94
33	Identification of Structureâ€"Activity Relationships from Screening a Structurally Compact DNAâ€Encoded Chemical Library. Angewandte Chemie - International Edition, 2015, 54, 3927-3931.	7.2	86
34	Interrogating target-specificity by parallel screening of a DNA-encoded chemical library against closely related proteins. Chemical Communications, 2015, 51, 8014-8016.	2.2	32
35	Tankyrase 1 Inhibitors with Drug-like Properties Identified by Screening a DNA-Encoded Chemical Library. Journal of Medicinal Chemistry, 2015, 58, 5143-5149.	2.9	60
36	Dual-display of small molecules enables the discovery of ligand pairs and facilitates affinity maturation. Nature Chemistry, 2015, 7, 241-249.	6.6	181

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37	Editorial overview: Next generation therapeutics: Creating and exploiting the chemistry of large numbers. Current Opinion in Chemical Biology, 2015, 26, iv-v.	2.8	0
38	â€œCap-and-Catchâ€•Purification for Enhancing the Quality of Libraries of DNA Conjugates. ACS Combinatorial Science, 2015, 17, 393-398.	3.8	25
39	Dual-pharmacophore DNA-encoded chemical libraries. Current Opinion in Chemical Biology, 2015, 26, 99-103.	2.8	41
40	DNA-Encoded Chemical Libraries: Advancing beyond Conventional Small-Molecule Libraries. Accounts of Chemical Research, 2014, 47, 1247-1255.	7.6	203
41	Systematic Evaluation and Optimization of Modification Reactions of Oligonucleotides with Amines and Carboxylic Acids for the Synthesis of DNA-Encoded Chemical Libraries. Bioconjugate Chemistry, 2014, 25, 1453-1461.	1.8	56
42	Small Targeted Cytotoxics: Current State and Promises from DNAâ€Encoded Chemical Libraries. Angewandte Chemie - International Edition, 2013, 52, 1384-1402.	7.2	130
43	Sequence Determinants of a Microtubule Tip Localization Signal (MtLS). Journal of Biological Chemistry, 2012, 287, 28227-28242.	1.6	44
44	Site-Specific Traceless Coupling of Potent Cytotoxic Drugs to Recombinant Antibodies for Pharmacodelivery. Journal of the American Chemical Society, 2012, 134, 5887-5892.	6.6	107
45	Discovery of Smallâ€Molecule Interleukinâ€2 Inhibitors from a DNAâ€Encoded Chemical Library. Chemistry - A European Journal, 2012, 18, 7729-7737.	1.7	94
46	A Traceless Vascularâ€Targeting Antibodyâ€"Drug Conjugate for Cancer Therapy. Angewandte Chemie - International Edition, 2012, 51, 941-944.	7.2	113
47	20 years of DNA-encoded chemical libraries. Chemical Communications, 2011, 47, 12747.	2.2	124
48	Selection of Carbonic Anhydrase IX Inhibitors from One Million DNA-Encoded Compounds. ACS Chemical Biology, 2011, 6, 336-344.	1.6	129
49	Isolation of a Smallâ€Molecule Inhibitor of the Antiapoptotic Protein Bclâ€xL from a DNAâ€Encoded Chemical Library. ChemMedChem, 2010, 5, 584-590.	1.6	52
50	DNAâ€Encoded Chemical Libraries: A Tool for Drug Discovery and for Chemical Biology. ChemBioChem, 2010, 11, 931-937.	1.3	46
51	High-throughput sequencing for the identification of binding molecules from DNA-encoded chemical libraries. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4188-4192.	1.0	50
52	Drug Discovery with DNA-Encoded Chemical Libraries. Bioconjugate Chemistry, 2010, 21, 1571-1580.	1.8	52
53	Isolation of Potent and Specific Trypsin Inhibitors from a DNA-Encoded Chemical Library. Bioconjugate Chemistry, 2010, 21, 1836-1841.	1.8	49
54	Discovery of TNF Inhibitors from a DNA-Encoded Chemical Library based on Diels-Alder Cycloaddition. Chemistry and Biology, 2009, 16, 1075-1086.	6.2	109

#	ARTICLE	IF	CITATIONS
55	A Portable Albumin Binder from a DNAâ€Encoded Chemical Library. Angewandte Chemie - International Edition, 2008, 47, 3196-3201.	7.2	187
56	Design and synthesis of a novel DNA-encoded chemical library using Diels-Alder cycloadditions. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5926-5931.	1.0	96
57	DNA-Encoded Chemical Libraries for the Discovery of MMP-3 Inhibitors. Bioconjugate Chemistry, 2008, 19, 778-785.	1.8	86
58	High-throughput sequencing allows the identification of binding molecules isolated from DNA-encoded chemical libraries. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17670-17675.	3.3	192
59	A monoclonal antibody prevents aggregation of the NBD1 domain of the cystic fibrosis transmembrane conductance regulator. Protein Engineering, Design and Selection, 2007, 20, 607-614.	1.0	5
60	Isolation of High-Affinity Trypsin Inhibitors from a DNA-Encoded Chemical Library. Angewandte Chemie - International Edition, 2007, 46, 4671-4674.	7.2	101
61	Ligand-Based Vascular Targeting of Disease. ChemMedChem, 2007, 2, 22-40.	1.6	51
62	Lead discovery by DNA-encoded chemical libraries. Drug Discovery Today, 2007, 12, 465-471.	3.2	59
63	DNA-encoded chemical libraries. Journal of Biotechnology, 2006, 126, 568-581.	1.9	63
64	Selection of Streptavidin Binders from a DNA-Encoded Chemical Library. Bioconjugate Chemistry, 2006, 17, 366-370.	1.8	64
65	DNA-Encoded Chemical Libraries. QSAR and Combinatorial Science, 2006, 25, 1081-1087.	1.5	9
66	On the Magnitude of the Chelate Effect for the Recognition of Proteins by Pharmacophores Scaffolded by Self-Assembling Oligonucleotides. Chemistry and Biology, 2006, 13, 225-231.	6.2	53
67	Encoded Self-Assembling Chemical Libraries. Chimia, 2005, 59, 798-802.	0.3	7
68	Encoded self-assembling chemical libraries. Nature Biotechnology, 2004, 22, 568-574.	9.4	319
69	Diagnostic and Therapeutic Applications of Recombinant Antibodies:Targeting the Extra-Domain B of Fibronectin, A Marker of Tumor Angiogenesis. Current Pharmaceutical Design, 2004, 10, 1537-1549.	0.9	44
70	Unexpected observation of concentration-dependent dissociation rates for antibodyâ€"antigen complexes and other macromolecular complexes in competition experiments. Journal of Immunological Methods, 2003, 276, 129-134.	0.6	17
71	Discovery and investigation of lead compounds as binders to the Extra-Domain B of the angiogenesis marker, fibronectin. Drug Development Research, 2003, 58, 268-282.	1.4	5
72	Affinity-capture reagents for protein arrays. Trends in Biotechnology, 2002, 20, s19-s22.	4.9	30