

Jörg Scheuermann

List of Publications by Year in descending order

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72
papers

4,524
citations

81900

39
h-index

102487

66
g-index

88
all docs

88
docs citations

88
times ranked

2696
citing authors

#	ARTICLE	IF	CITATIONS
1	Encoded self-assembling chemical libraries. <i>Nature Biotechnology</i> , 2004, 22, 568-574.	17.5	319
2	DNA-Encoded Chemical Libraries: Advancing beyond Conventional Small-Molecule Libraries. <i>Accounts of Chemical Research</i> , 2014, 47, 1247-1255.	15.6	203
3	High-throughput sequencing allows the identification of binding molecules isolated from DNA-encoded chemical libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17670-17675.	7.1	192
4	A Portable Albumin Binder from a DNA-Encoded Chemical Library. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3196-3201.	13.8	187
5	Dual-display of small molecules enables the discovery of ligand pairs and facilitates affinity maturation. <i>Nature Chemistry</i> , 2015, 7, 241-249.	13.6	181
6	Small Targeted Cytotoxics: Current State and Promises from DNA-Encoded Chemical Libraries. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1384-1402.	13.8	130
7	Selection of Carbonic Anhydrase IX Inhibitors from One Million DNA-Encoded Compounds. <i>ACS Chemical Biology</i> , 2011, 6, 336-344.	3.4	129
8	<scp>DNA</scp>-encoded chemical libraries – achievements and remaining challenges. <i>FEBS Letters</i> , 2018, 592, 2168-2180.	2.8	129
9	20 years of DNA-encoded chemical libraries. <i>Chemical Communications</i> , 2011, 47, 12747.	4.1	124
10	A Small-Molecule Inhibitor of Lin28. <i>ACS Chemical Biology</i> , 2016, 11, 2773-2781.	3.4	121
11	A Traceless Vascular-Targeting Antibody-Drug Conjugate for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 941-944.	13.8	113
12	Versatile protein recognition by the encoded display of multiple chemical elements on a constant macrocyclic scaffold. <i>Nature Chemistry</i> , 2018, 10, 441-448.	13.6	110
13	Discovery of TNF Inhibitors from a DNA-Encoded Chemical Library based on Diels-Alder Cycloaddition. <i>Chemistry and Biology</i> , 2009, 16, 1075-1086.	6.0	109
14	Site-Specific Traceless Coupling of Potent Cytotoxic Drugs to Recombinant Antibodies for Pharmacodelivery. <i>Journal of the American Chemical Society</i> , 2012, 134, 5887-5892.	13.7	107
15	Isolation of High-Affinity Trypsin Inhibitors from a DNA-Encoded Chemical Library. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4671-4674.	13.8	101
16	Design and synthesis of a novel DNA-encoded chemical library using Diels-Alder cycloadditions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5926-5931.	2.2	96
17	Discovery of Small-Molecule Interleukin-2 Inhibitors from a DNA-Encoded Chemical Library. <i>Chemistry - A European Journal</i> , 2012, 18, 7729-7737.	3.3	94
18	Optimized Reaction Conditions for Amide Bond Formation in DNA-Encoded Combinatorial Libraries. <i>ACS Combinatorial Science</i> , 2016, 18, 438-443.	3.8	94

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19	Automated screening for small organic ligands using DNA-encoded chemical libraries. <i>Nature Protocols</i> , 2016, 11, 764-780.	12.0	94
20	DNA-Encoded Chemical Libraries for the Discovery of MMP-3 Inhibitors. <i>Bioconjugate Chemistry</i> , 2008, 19, 778-785.	3.6	86
21	Identification of Structure-Activity Relationships from Screening a Structurally Compact DNA-Encoded Chemical Library. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3927-3931.	13.8	86
22	DNA-encoded chemical libraries. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	75
23	Selection of Streptavidin Binders from a DNA-Encoded Chemical Library. <i>Bioconjugate Chemistry</i> , 2006, 17, 366-370.	3.6	64
24	DNA-encoded chemical libraries. <i>Journal of Biotechnology</i> , 2006, 126, 568-581.	3.8	63
25	Tankyrase 1 Inhibitors with Drug-like Properties Identified by Screening a DNA-Encoded Chemical Library. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5143-5149.	6.4	60
26	Lead discovery by DNA-encoded chemical libraries. <i>Drug Discovery Today</i> , 2007, 12, 465-471.	6.4	59
27	Systematic Evaluation and Optimization of Modification Reactions of Oligonucleotides with Amines and Carboxylic Acids for the Synthesis of DNA-Encoded Chemical Libraries. <i>Bioconjugate Chemistry</i> , 2014, 25, 1453-1461.	3.6	56
28	A Specific and Covalent JNK-1 Ligand Selected from an Encoded Self-Assembling Chemical Library. <i>Chemistry - A European Journal</i> , 2017, 23, 8152-8155.	3.3	54
29	On the Magnitude of the Chelate Effect for the Recognition of Proteins by Pharmacophores Scaffolded by Self-Assembling Oligonucleotides. <i>Chemistry and Biology</i> , 2006, 13, 225-231.	6.0	53
30	Isolation of a Small-Molecule Inhibitor of the Antiapoptotic Protein Bcl-2L from a DNA-Encoded Chemical Library. <i>ChemMedChem</i> , 2010, 5, 584-590.	3.2	52
31	Drug Discovery with DNA-Encoded Chemical Libraries. <i>Bioconjugate Chemistry</i> , 2010, 21, 1571-1580.	3.6	52
32	Ligand-Based Vascular Targeting of Disease. <i>ChemMedChem</i> , 2007, 2, 22-40.	3.2	51
33	High-throughput sequencing for the identification of binding molecules from DNA-encoded chemical libraries. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4188-4192.	2.2	50
34	Isolation of Potent and Specific Trypsin Inhibitors from a DNA-Encoded Chemical Library. <i>Bioconjugate Chemistry</i> , 2010, 21, 1836-1841.	3.6	49
35	DNA-Encoded Chemical Libraries: A Tool for Drug Discovery and for Chemical Biology. <i>ChemBioChem</i> , 2010, 11, 931-937.	2.6	46
36	Diagnostic and Therapeutic Applications of Recombinant Antibodies: Targeting the Extra-Domain B of Fibronectin, A Marker of Tumor Angiogenesis. <i>Current Pharmaceutical Design</i> , 2004, 10, 1537-1549.	1.9	44

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37	Sequence Determinants of a Microtubule Tip Localization Signal (MtLS). <i>Journal of Biological Chemistry</i> , 2012, 287, 28227-28242.	3.4	44
38	Affinity Enhancement of Protein Ligands by Reversible Covalent Modification of Neighboring Lysine Residues. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17178-17182.	13.8	44
39	Screening of Three Transition Metal-Mediated Reactions Compatible with DNA-Encoded Chemical Libraries. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900033.	1.6	44
40	Stereo- and regiodefined DNA-encoded chemical libraries enable efficient tumour-targeting applications. <i>Nature Chemistry</i> , 2021, 13, 540-548.	13.6	42
41	Dual-pharmacophore DNA-encoded chemical libraries. <i>Current Opinion in Chemical Biology</i> , 2015, 26, 99-103.	6.1	41
42	Quantitative Assessment of Affinity Selection Performance by Using DNA-Encoded Chemical Libraries. <i>ChemBioChem</i> , 2019, 20, 955-962.	2.6	38
43	A DNA-Encoded Library of Chemical Compounds Based on Common Scaffolding Structures Reveals the Impact of Ligand Geometry on Protein Recognition. <i>ChemMedChem</i> , 2018, 13, 1303-1307.	3.2	37
44	Quantitative and Qualitative Analysis of Humoral Immunity Reveals Continued and Personalized Evolution in Chronic Viral Infection. <i>Cell Reports</i> , 2020, 30, 997-1012.e6.	6.4	34
45	Interrogating target-specificity by parallel screening of a DNA-encoded chemical library against closely related proteins. <i>Chemical Communications</i> , 2015, 51, 8014-8016.	4.1	32
46	Affinity-capture reagents for protein arrays. <i>Trends in Biotechnology</i> , 2002, 20, s19-s22.	9.3	30
47	Hit-Validation Methodologies for Ligands Isolated from DNA-Encoded Chemical Libraries. <i>ChemBioChem</i> , 2017, 18, 853-857.	2.6	30
48	A Single-Stranded DNA-Encoded Chemical Library Based on a Stereoisomeric Scaffold Enables Ligand Discovery by Modular Assembly of Building Blocks. <i>Advanced Science</i> , 2020, 7, 2001970.	11.2	30
49	Impact of a Central Scaffold on the Binding Affinity of Fragment Pairs Isolated from DNA-Encoded Self-Assembling Chemical Libraries. <i>ChemMedChem</i> , 2017, 12, 1748-1752.	3.2	29
50	Critical Evaluation of Photo-cross-linking Parameters for the Implementation of Efficient DNA-Encoded Chemical Library Selections. <i>ACS Combinatorial Science</i> , 2020, 22, 204-212.	3.8	28
51	Cap-and-Catch-Purification for Enhancing the Quality of Libraries of DNA Conjugates. <i>ACS Combinatorial Science</i> , 2015, 17, 393-398.	3.8	25
52	A DNA-Encoded Chemical Library Based on Peptide Macrocycles. <i>Chemistry - A European Journal</i> , 2021, 27, 7160-7167.	3.3	25
53	Macrocyclic DNA-encoded chemical libraries: a historical perspective. <i>RSC Chemical Biology</i> , 2022, 3, 7-17.	4.1	22
54	Quantitative PCR is a Valuable Tool to Monitor the Performance of DNA-Encoded Chemical Library Selections. <i>ChemBioChem</i> , 2017, 18, 848-852.	2.6	20

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55	Large screening of DNA-compatible reaction conditions for Suzuki and Sonogashira cross-coupling reactions and for reverse amide bond formation. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 41, 116206.	3.0	20
56	Affinity Selections of DNA-Encoded Chemical Libraries on Carbonic Anhydrase IX-Expressing Tumor Cells Reveal a Dependence on Ligand Valence. <i>Chemistry - A European Journal</i> , 2021, 27, 8985-8993.	3.3	19
57	Unexpected observation of concentration-dependent dissociation rates for antibody-antigen complexes and other macromolecular complexes in competition experiments. <i>Journal of Immunological Methods</i> , 2003, 276, 129-134.	1.4	17
58	Selective Fragments for the CREBBP Bromodomain Identified from an Encoded Self-assembly Chemical Library. <i>ChemMedChem</i> , 2020, 15, 1752-1756.	3.2	15
59	Affinity Enhancement of Protein Ligands by Reversible Covalent Modification of Neighboring Lysine Residues. <i>Angewandte Chemie</i> , 2018, 130, 17424-17428.	2.0	14
60	Comparative evaluation of DNA-encoded chemical selections performed using DNA in single-stranded or double-stranded format. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 223-229.	2.1	13
61	Universal encoding of next generation DNA-encoded chemical libraries. <i>Chemical Science</i> , 2022, 13, 967-974.	7.4	12
62	Discovery, affinity maturation and multimerization of small molecule ligands against human tyrosinase and tyrosinase-related protein 1. <i>RSC Medicinal Chemistry</i> , 2021, 12, 363-369.	3.9	10
63	Modular assembly and encoding strategies for dual-display DNA-encoded chemical libraries. <i>Chemical Communications</i> , 2021, 57, 12289-12292.	4.1	10
64	DNA-Encoded Chemical Libraries. <i>QSAR and Combinatorial Science</i> , 2006, 25, 1081-1087.	1.4	9
65	Complexation with a Cognate Antibody Fragment Facilitates Affinity Measurements of Fluorescein-Linked Small Molecule Ligands. <i>Analytical Chemistry</i> , 2020, 92, 10822-10829.	6.5	9
66	Specific Inhibitor of Placental Alkaline Phosphatase Isolated from a DNA-Encoded Chemical Library Targets Tumor of the Female Reproductive Tract. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 15799-15809.	6.4	8
67	Encoded Self-Assembling Chemical Libraries. <i>Chimia</i> , 2005, 59, 798-802.	0.6	7
68	Discovery and investigation of lead compounds as binders to the Extra-Domain B of the angiogenesis marker, fibronectin. <i>Drug Development Research</i> , 2003, 58, 268-282.	2.9	5
69	A monoclonal antibody prevents aggregation of the NBD1 domain of the cystic fibrosis transmembrane conductance regulator. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 607-614.	2.1	5
70	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. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7387-7398.	3.7	5
71	Editorial overview: Next generation therapeutics: Creating and exploiting the chemistry of large numbers. <i>Current Opinion in Chemical Biology</i> , 2015, 26, iv-v.	6.1	0
72	Special edition on DNA-Encoded chemical libraries. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, iii-iv.	2.1	0