

# Dennis Schade

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,266  
citations

430442

18  
h-index

377514

34  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation of cardiomyocytes and generation of human engineered heart tissue. <i>Nature Protocols</i> , 2017, 12, 1177-1197.	5.5	197
2	Small Molecule-Mediated TGF- $\beta$ 2 Type II Receptor Degradation Promotes Cardiomyogenesis in Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2012, 11, 242-252.	5.2	119
3	Cell Permeable Stapled Peptide Inhibitor of Wnt Signaling that Targets $\beta$ -Catenin Protein-Protein Interactions. <i>Cell Chemical Biology</i> , 2017, 24, 958-968.e5.	2.5	92
4	Stepwise Clearance of Repressive Roadblocks Drives Cardiac Induction in Human ESCs. <i>Cell Stem Cell</i> , 2016, 18, 341-353.	5.2	89
5	Reduction of N <sup>ω</sup> -hydroxy-L-arginine by the mitochondrial amidoxime reducing component (mARC). <i>Biochemical Journal</i> , 2011, 433, 383-391.	1.7	80
6	Development of Novel Potent Orally Bioavailable Oseltamivir Derivatives Active against Resistant Influenza A. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 759-769.	2.9	77
7	Wnt Inhibition Correlates with Human Embryonic Stem Cell Cardiomyogenesis: A Structure-Activity Relationship Study Based on Inhibitors for the Wnt Response. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 697-708.	2.9	63
8	Synthesis and SAR of <i>b</i> -Annulated 1,4-Dihydropyridines Define Cardiomyogenic Compounds as Novel Inhibitors of TGF $\beta$ 2 Signaling. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9946-9957.	2.9	62
9	Discovery of Inhibitor of Wnt Production 2 (IWP-2) and Related Compounds As Selective ATP-Competitive Inhibitors of Casein Kinase 1 (CK1) $\beta$ . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4087-4102.	2.9	42
10	A protein tertiary structure mimetic modulator of the Hippo signalling pathway. <i>Nature Communications</i> , 2020, 11, 5425.	5.8	38
11	Small Molecules Targeting <i>in Vivo</i> Tissue Regeneration. <i>ACS Chemical Biology</i> , 2014, 9, 57-71.	1.6	36
12	Modulating the NO generating system from a medicinal chemistry perspective: Current trends and therapeutic options in cardiovascular disease. , 2010, 126, 279-300.		33
13	Structure-activity relationship of novel and known inhibitors of human dimethylarginine dimethylaminohydrolase-1: Alkenyl-amidines as new leads. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 10205-10209.	1.4	30
14	Synthetic Approaches to N <sup>ω</sup> -Methylated L-Arginine, N <sup>ω</sup> -Hydroxy-L-arginine, L-Citrulline, and N <sup>ω</sup> -Cyano-L-ornithine. <i>Journal of Organic Chemistry</i> , 2008, 73, 1025-1030.	1.7	24
15	Design, synthesis and 3D-QSAR studies of novel 1,4-dihydropyridines as TGF $\beta$ 2/Smad inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 95, 249-266.	2.6	23
16	Medicinal Chemistry Approaches to Heart Regeneration. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9451-9479.	2.9	22
17	New Prodrugs of the Antiprotozoal Drug Pentamidine. <i>ChemMedChem</i> , 2011, 6, 2233-2242.	1.6	21
18	Zanamivir Amidoxime- and N-Hydroxyguanidine-Based Prodrug Approaches to Tackle Poor Oral Bioavailability. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3208-3219.	1.6	19

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19	Prodrug design for the potent cardiovascular agent N <sup>ω</sup> -hydroxy-l-arginine (NOHA): Synthetic approaches and physicochemical characterization. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5249.	1.5	15
20	N <sup>ω</sup> -Methylated l-arginine derivatives and their effects on the nitric oxide generating system. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 2305-2312.	1.4	13
21	Synthesis and biological evaluation of l-valine-amidoximeesters as double prodrugs of amidines. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1907-1914.	1.4	13
22	Combined Proteomic and In Silico Target Identification Reveal a Role for 5-Lipoxygenase in Developmental Signaling Pathways. <i>Cell Chemical Biology</i> , 2018, 25, 1095-1106.e23.	2.5	13
23	Tetrahydroindoles as Multipurpose Screening Compounds and Novel Sirtuin Inhibitors. <i>ChemMedChem</i> , 2019, 14, 853-864.	1.6	13
24	The Peptidylglycine $\beta$ -Amidating Monooxygenase (PAM): A Novel Prodrug Strategy for Amidoximes and $\alpha$ -Hydroxyguanidines?. <i>ChemMedChem</i> , 2009, 4, 1595-1599.	1.6	12
25	Pentafluoro $\beta$ -hydroxy $\alpha$ -amino $\beta$ -keto $\gamma$ -lactones Potently Inhibit FNT-type Lactate Transporters from all Five Human $\beta$ -Pathogenic <i>Plasmodium</i> Species. <i>ChemMedChem</i> , 2021, 16, 1283-1289.	1.6	12
26	Toward Second-Generation Cardiomyogenic and Anti-cardiofibrotic 1,4-Dihydropyridine-Class TGF $\beta$ 2 Inhibitors. <i>ChemMedChem</i> , 2019, 14, 810-822.	1.6	11
27	Crataegus Extract WS <sup>®</sup> 1442 Stimulates Cardiomyogenesis and Angiogenesis From Stem Cells: A Possible New Pharmacology for Hawthorn?. <i>Frontiers in Pharmacology</i> , 2019, 10, 1357.	1.6	11
28	Designing modulators of dimethylarginine dimethylaminohydrolase (DDAH): A focus on selectivity over arginase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012, 27, 24-28.	2.5	9
29	Platform for determining the inhibition profile of neuraminidase inhibitors in an influenza virus N1 background. <i>Journal of Virological Methods</i> , 2016, 237, 192-199.	1.0	7
30	Probing Embryonic Development Enables the Discovery of Unique Small-Molecule Bone Morphogenetic Protein Potentiators. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3978-3990.	2.9	7
31	Design, Synthesis, and Bioactivation of $\alpha$ -Glycosylated Prodrugs of the Natural Nitric Oxide Precursor $\alpha$ -N <sup>ω</sup> -Hydroxy- $\alpha$ -l-arginine. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8030-8041.	2.9	6
32	Efficient Synthesis of Optically Pure N <sup>ω</sup> -Alkylated l-Arginines. <i>Synthesis</i> , 2008, 2008, 2391-2397.	1.2	5
33	Metabolism and distribution of two highly potent and selective peptidomimetic inhibitors of matriptase. <i>Xenobiotica</i> , 2010, 40, 93-101.	0.5	5
34	Small-molecule probe reveals a kinase cascade that links stress signaling to TCF/LEF and Wnt responsiveness. <i>Cell Chemical Biology</i> , 2021, 28, 625-635.e5.	2.5	5
35	Unique photoaffinity probes to study TGF $\beta$ 2 signaling and receptor fates. <i>Chemical Communications</i> , 2019, 55, 4323-4326.	2.2	3
36	Discovery of $\alpha$ -(4-Aminobutyl)- $\alpha$ -(2-methoxyethyl)guanidine as the First Selective, Nonamino Acid, Catalytic Site Inhibitor of Human Dimethylarginine Dimethylaminohydrolase-1 ( $\alpha$ -DDAH-1). <i>Journal of Medicinal Chemistry</i> , 2020, 63, 425-432.	2.9	3

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37	Growth factor mimetics for skin regeneration: In vitro profiling of primary human fibroblasts and keratinocytes. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100082.	2.1	3
38	High-Throughput Screening Platform in Postnatal Heart Cells and Chemical Probe Toolbox to Assess Cardiomyocyte Proliferation. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1505-1524.	2.9	3
39	Phenotypic screen identifies FOXO inhibitor to counteract maturation and promote expansion of human iPS cell-derived cardiomyocytes. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 65, 116782.	1.4	3
40	Arylazoamidoximes and Related Compounds as NO $\epsilon$ modulators. <i>Archiv Der Pharmazie</i> , 2010, 343, 9-16.	2.1	1
41	An Efficient Synthesis of Optically Pure N $\hat{\text{I}}$ -Monomethylated L-Arginine and L-Ornithine. <i>Synthesis</i> , 2016, 48, 723-729.	1.2	1
42	Higher Carbon Analogues of 1,4 $\epsilon$ Dihydropyridines as Potent TGF $\hat{\text{I}}$ <sup>2</sup> /Smad Inhibitors. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 176-181.	1.0	1
43	A phytomedicine approach to stem cell modulation for heart regeneration. <i>Planta Medica</i> , 2015, 81, .	0.7	1
44	Abstract 135: A Novel TGF $\beta$ Selective Inhibitor Drives Cardiogenesis in Embryonic Stem Cells. <i>Circulation Research</i> , 2012, 111, .	2.0	0
45	<i>Crataegus ssp.</i> promotes late-stage cardiac differentiation and regeneration. <i>Planta Medica</i> , 2015, 81, .	0.7	0
46	A new pharmacology for <i>Crataegus ssp.</i> ? The standardized extract WS $\hat{\text{A}}$ <sup>®</sup> 1442 promotes cardiogenesis from stem cells in vitro. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
47	Abstract 132: Imaging-Based Assay for Screening of Cell Cycle Modifying Substances in Postnatal Cardiomyocytes. <i>Circulation Research</i> , 2019, 125, .	2.0	0