

Daniel P Becker

List of Publications by Year in descending order

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59
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1,169
citations

361296

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62
all docs

62
docs citations

62
times ranked

1227
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron dysregulation in COVID-19 and reciprocal evolution of SARS-CoV-2: <i>Natura nihil frustra facit</i> . <i>Journal of Cellular Biochemistry</i> , 2022, 123, 601-619.	1.2	21
2	Bisindolylmaleimide IX: A novel anti-SARS-CoV2 agent targeting viral main protease 3CL ^{pro} demonstrated by virtual screening pipeline and in-vitro validation assays. <i>Methods</i> , 2021, 195, 57-71.	1.9	29
3	Atomic-Resolution 1.3 Å... Crystal Structure, Inhibition by Sulfate, and Molecular Dynamics of the Bacterial Enzyme DapE. <i>Biochemistry</i> , 2021, 60, 908-917.	1.2	6
4	Gcn5-Related N-Acetyltransferases (GNATs) With a Catalytic Serine Residue Can Play Ping-Pong Too. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 646046.	1.6	8
5	Cyclobutanone Inhibitor of Cobalt-Functionalized Metallo-β-Lactonase AiiA with Cyclobutanone Ring Opening in the Active Site. <i>ACS Omega</i> , 2021, 6, 13567-13578.	1.6	3
6	Indoline-6-Sulfonamide Inhibitors of the Bacterial Enzyme DapE. <i>Antibiotics</i> , 2020, 9, 595.	1.5	9
7	(S)-4-Amino-5-phenoxypentanoate designed as a potential selective agonist of the bacterial transcription factor GabR. <i>Protein Science</i> , 2020, 29, 1816-1828.	3.1	3
8	Carborane-Containing Matrix Metalloprotease (MMP) Ligands as Candidates for Boron Neutron-Capture Therapy (BNCT). <i>ChemMedChem</i> , 2020, 15, 1897-1908.	1.6	12
9	A Review of the Preclinical and Clinical Efficacy of Remdesivir, Hydroxychloroquine, and Lopinavir-Ritonavir Treatments against COVID-19. <i>SLAS Discovery</i> , 2020, 25, 1108-1122.	1.4	25
10	Synthesis of a protected 2-aminocyclobutanone as a modular transition state synthon for medicinal chemistry. <i>Tetrahedron Letters</i> , 2020, 61, 151632.	0.7	5
11	Structural Evidence of a Major Conformational Change Triggered by Substrate Binding in DapE Enzymes: Impact on the Catalytic Mechanism. <i>Biochemistry</i> , 2018, 57, 574-584.	1.2	16
12	Iron(II) complexes of dimethyltriazacyclophane. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1641-1649.	0.2	0
13	A Gcn5-Related N-Acetyltransferase (GNAT) Capable of Acetylating Polymyxin B and Colistin Antibiotics in Vitro. <i>Biochemistry</i> , 2018, 57, 7011-7020.	1.2	11
14	Attempted Resolution and Racemization of Beckmann-Derived CTV-Lactam and the Use of Chirabite-AR® to Determine the Optical Purity of the Supramolecular Scaffold. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4639-4645.	1.2	2
15	Practical spectrophotometric assay for the dapE-encoded N-succinyl-L,L-diaminopimelic acid desuccinylase, a potential antibiotic target. <i>PLoS ONE</i> , 2018, 13, e0196010.	1.1	11
16	Generating enzyme and radical-mediated bisubstrates as tools for investigating Gcn5-related acetyltransferases. <i>FEBS Letters</i> , 2017, 591, 2348-2361.	1.3	5
17	An analytical method for detecting toxic metal cations using cyclotrimeratrylene derivative capped gold nanoparticles. <i>Tetrahedron Letters</i> , 2015, 56, 5419-5423.	0.7	7
18	Metal-free tandem Beckmann-electrophilic aromatic substitution cascade affording diaryl imines, ketones, amines, and quinazolines. <i>Tetrahedron Letters</i> , 2015, 56, 5390-5392.	0.7	5

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19	Chapter 12. New Analytical Approaches for the Detection of Micropollutants in Natural Waters: Identification of 3,5-Dichloro-4-Hydroxybenzene Sulfonic Acid as an Unknown Persistent Pollutant. Comprehensive Series in Photochemical and Photobiological Sciences, 2015, , 239-256.	0.3	0
20	Lysine biosynthesis in bacteria: a metallodesuccinylase as a potential antimicrobial target. Journal of Biological Inorganic Chemistry, 2013, 18, 155-163.	1.1	57
21	Rearrangement of Cyclotriveratrylene (CTV) Diketone: 9,10-Diarylanthracenes with OLED Applications. Journal of Organic Chemistry, 2013, 78, 2051-2058.	1.7	18
22	Apparent Alkyl Transfer and Phenazine Formation via an Aryne Intermediate. Journal of Organic Chemistry, 2013, 78, 3532-3540.	1.7	11
23	Large Scale Structural Rearrangement of a Serine Hydrolase from Francisella tularensis Facilitates Catalysis. Journal of Biological Chemistry, 2013, 288, 10522-10535.	1.6	28
24	Synthesis, crystal structure and rearrangements of orthocyclophane cyclotetraveratrylene (CTTV) tetraketone. Supramolecular Chemistry, 2012, 24, 803-809.	1.5	6
25	Asymmetric $\hat{\pm}$ -hydroxy ketone synthesis by direct ketone oxidation using a bimetallic palladium(II) complex. Tetrahedron Letters, 2012, 53, 2699-2701.	0.7	26
26	MMP-13 selective alpha-sulfone hydroxamates: Identification of selective P1 $\hat{\pm}$ amides. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2823-2825.	1.0	11
27	MMP-13 selective $\hat{\pm}$ -sulfone hydroxamates: A survey of P1 $\hat{\pm}$ heterocyclic amide isosteres. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2820-2822.	1.0	11
28	Direct patterning of a cyclotriveratrylene derivative for directed self-assembly of C ₆₀ . Nanotechnology, 2011, 22, 275611.	1.3	8
29	Synthesis of an ortho-Triazacyclophane: $\langle i \rangle N \langle /i \rangle$, $\langle i \rangle N \langle /i \rangle \hat{\pm}$, $\langle i \rangle N \langle /i \rangle \hat{\pm}$ -Trimethyltribenzo-1,4,7-triazacyclononatriene. Journal of Organic Chemistry, 2010, 75, 7887-7892.	1.7	22
30	Palladium(II)-catalyzed dicarboxymethylation of chiral allylic alcohols: chirality transfer affording optically active diesters containing three contiguous chiral centers. Tetrahedron Letters, 2010, 51, 3514-3517.	0.7	12
31	MMP-13 selective isonipecotamide $\hat{\pm}$ -sulfone hydroxamates. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3561-3564.	1.0	29
32	Orally bioavailable dual MMP-1/MMP-14 sparing, MMP-13 selective $\hat{\pm}$ -sulfone hydroxamates. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3557-3560.	1.0	24
33	Orally Active MMP-1 Sparing $\hat{\pm}$ -Tetrahydropyranyl and $\hat{\pm}$ -Piperidinyl Sulfone Matrix Metalloproteinase (MMP) Inhibitors with Efficacy in Cancer, Arthritis, and Cardiovascular Disease. Journal of Medicinal Chemistry, 2010, 53, 6653-6680.	2.9	89
34	An aza-cyclophane stacked in racemic columnar assemblies: whole-molecule disorder in a two-dimensional solid solution. Acta Crystallographica Section B: Structural Science, 2009, 65, 223-229.	1.8	3
35	Inhibitors of bacterial N-succinyl-L, l-diaminopimelic acid desuccinylase (DapE) and demonstration of in vitro antimicrobial activity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6350-6352.	1.0	39
36	A Thermodynamic and Kinetic Characterization of the Solvent Dependence of the Saddle $\hat{\pm}$ Crown Equilibrium of Cyclotriveratrylene Oxime. Journal of Physical Chemistry A, 2009, 113, 8258-8267.	1.1	11

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37	Beckmann rearrangement of cyclotrivenatrylene (CTV) oxime: tandem Beckmann-electrophilic aromatic addition. <i>Tetrahedron Letters</i> , 2008, 49, 5003-5005.	0.7	21
38	Synthesis of Substituted 2-aminocyclobutanones. <i>Synthetic Communications</i> , 2008, 38, 1679-1687.	1.1	12
39	Isolation of the saddle and crown conformers of cyclotrivenatrylene (CTV) oxime. <i>Tetrahedron Letters</i> , 2007, 48, 6368-6371.	0.7	16
40	2,3,8,12,13-Pentamethoxy-5H-dibenzo[<i>c</i> , <i>n</i>]acridin-7(6 <i>H</i>)-one toluene solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3857-o3858.	0.2	2
41	2,3,5,6,7-Hexamethoxy-3H,10H-spiro[anthracene-9,1-isobenzofuran]-3,10-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4390-o4391.	0.2	3
42	Pyrrolizidine Esters and Amides as 5-HT ₄ Receptor Agonists and Antagonists. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 1125-1139.	2.9	40
43	Synthesis and Structure-Activity Relationships of $\hat{1}$ - and $\hat{1}$ -Piperidine Sulfone Hydroxamic Acid Matrix Metalloproteinase Inhibitors with Oral Antitumor Efficacy. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6713-6730.	2.9	64
44	Bridgehead-methyl analog of SC-53116 as a 5-HT ₄ agonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3073-3075.	1.0	15
45	Azaadamantane benzamide 5-HT ₄ agonists: gastrointestinal prokinetic SC-54750. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5509-5512.	1.0	11
46	Selective, orally active MMP inhibitors with an aryl backbone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2481-2483.	1.0	17
47	$\hat{1}$ -Amino- $\hat{1}$ -sulphone hydroxamates as potent MMP-13 inhibitors that spare MMP-1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2719-2722.	1.0	40
48	$\hat{1}$ -Alkyl- $\hat{1}$ -amino- $\hat{1}$ -sulphone hydroxamates as potent MMP inhibitors that spare MMP-1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2723-2725.	1.0	29
49	Synthesis and activity of selective MMP inhibitors with an aryl backbone. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2815-2817.	1.0	30
50	Enantioselective synthesis of dual serotonergic azanoradamantane SC-52491. <i>Tetrahedron</i> , 1999, 55, 11787-11802.	1.0	14
51	Serotonin 5-HT ₄ agonist activity of a series of meso-azanoradamantane benzamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 2149-2154.	1.0	6
52	One-Pot Preparation of 1,3-Dihydro-1-(trifluoromethyl)isobenzofuran-1-ol Derivatives from 1,2-Dibromobenzene. <i>Synthetic Communications</i> , 1996, 26, 3127-3135.	1.1	7
53	Synthesis of N-BOC-3-azabicyclo[3.3.0]octan-7-one via reductive pauson-khand cyclization and subsequent conversion to a novel diazatricyclic ring system. <i>Tetrahedron</i> , 1993, 49, 5047-5054.	1.0	35
54	Studies of the solid-phase Pauson-Khand reaction: Selective in-situ enone reduction to 3-azabicyclo[3.3.0]octanones. <i>Tetrahedron Letters</i> , 1993, 34, 2087-2090.	0.7	24

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55	SC-53116: the first selective agonist at the newly identified serotonin 5-HT4 receptor subtype. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 1486-1489.	2.9	84
56	Use of atom-transfer radical cyclizations as an efficient entry into a new "serotonergic" azanoradamantane. <i>Tetrahedron Letters</i> , 1992, 33, 7283-7286.	0.7	18
57	1,3,4-trisubstituted pyrrolidinones as scaffolds for construction of peptidomimetic cholecystokinin antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 1251-1256.	1.0	15
58	New aza(nor)adamantanes are agonists at the newly identified serotonin 5-HT4 receptor and antagonists at the 5-HT3 receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1992, 2, 1613-1618.	1.0	17
59	Stereospecific dicobalt octacarbonyl-mediated enyne cyclization for the enantiospecific synthesis of a 6a-carbocycline analog. <i>Journal of the American Chemical Society</i> , 1987, 109, 7495-7498.	6.6	66