

Charles E Mckenna

List of Publications by Year in descending order

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166
papers

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94433

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173
all docs

173
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173
times ranked

5677
citing authors

#	ARTICLE	IF	CITATIONS
1	Bisphosphonates: The role of chemistry in understanding their biological actions and structure-activity relationships, and new directions for their therapeutic use. <i>Bone</i> , 2022, 156, 116289.	2.9	36
2	Bisphosphonates for delivering drugs to bone. <i>British Journal of Pharmacology</i> , 2021, 178, 2008-2025.	5.4	21
3	Synthesis of 8-oxo-dGTP and its $\hat{2},\hat{3}$ -CH ₂ -, $\hat{2},\hat{3}$ -CHF-, and $\hat{2},\hat{3}$ -CF ₂ - analogues. <i>Tetrahedron Letters</i> , 2021, 67, 152899.	2.9	2
4	Paradoxical androgen receptor regulation by small molecule enantiomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	2
5	Design and Synthesis of Cathepsin-K-Activated Osteoadsorptive Fluorogenic Sentinel (OFS) Probes for Detecting Early Osteoclastic Bone Resorption in a Multiple Myeloma Mouse Model. <i>Bioconjugate Chemistry</i> , 2021, 32, 916-927.	3.6	13
6	Bisphosphonates in dentistry: Historical perspectives, adverse effects, and novel applications. <i>Bone</i> , 2021, 147, 115933.	2.9	10
7	Development of Bisphosphonate-Conjugated Antibiotics to Overcome Pharmacodynamic Limitations of Local Therapy: Initial Results with Carbamate Linked Sitafloxacin and Tedizolid. <i>Antibiotics</i> , 2021, 10, 732.	3.7	10
8	A Novel Small Molecule Neurotrophin-3 Analogue Promotes Inner Ear Neurite Outgrowth and Synaptogenesis In vitro. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 666706.	3.7	8
9	Anomeric Fatty Acid Functionalization Prevents Nonenzymatic <i>S</i> -Glycosylation by Monosaccharide Metabolic Chemical Reporters. <i>ACS Chemical Biology</i> , 2021, 16, 1924-1929.	3.4	8
10	Kinetic Effects of $\hat{2},\hat{3}$ -Modified Deoxynucleoside 5'-Triphosphate Analogues on RNA-Catalyzed Polymerization of DNA. <i>Biochemistry</i> , 2021, 60, 1-5.	2.5	3
11	Regeneration of Cochlear Synapses by Systemic Administration of a Bisphosphonate. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 87.	2.9	22
12	Chemistry of Bisphosphonates. , 2020, , 551-564.		13
13	Completing the $\hat{2},\hat{3}$ -CXY-dNTP Stereochemical Probe Toolkit: Synthetic Access to the dCTP Diastereomers and ³¹ P and ¹⁹ F NMR Correlations with Absolute Configurations. <i>Journal of Organic Chemistry</i> , 2020, 85, 14592-14609.	3.2	6
14	Revealing an Internal Stabilization Deficiency in the DNA Polymerase $\hat{2}$ K289M Cancer Variant through the Combined Use of Chemical Biology and X-ray Crystallography. <i>Biochemistry</i> , 2020, 59, 955-963.	2.5	0
15	Bromodomain Inhibition and Its Application to Human Disease. , 2019, , 475-492.		1
16	A Transition-State Perspective on Y-Family DNA Polymerase $\hat{1}$ Fidelity in Comparison with X-Family DNA Polymerases $\hat{1}$ and $\hat{2}$. <i>Biochemistry</i> , 2019, 58, 1764-1773.	2.5	10
17	New chirally modified bisphosphonates for synthesis of individual beta,gamma-CHX-deoxynucleotide diastereomers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 329-330.	1.6	5
18	Rescue bisphosphonate treatment of alveolar bone improves extraction socket healing and reduces osteonecrosis in zoledronate-treated mice. <i>Bone</i> , 2019, 123, 115-128.	2.9	28

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19	Synthesis of ortho-formylphenylphosphonic acids as covalent probes of active site lysines. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 313-314.	1.6	1
20	A pre-catalytic non-covalent step governs DNA polymerase β fidelity. Nucleic Acids Research, 2019, 47, 11839-11849.	14.5	4
21	Diketopyrrolopyrrole Bisphosphonate Conjugate: A New Fluorescent Probe for In Vitro Bone Imaging. Chemistry - A European Journal, 2019, 25, 3617-3626.	3.3	19
22	USC-087 protects Syrian hamsters against lethal challenge with human species C adenoviruses. Antiviral Research, 2018, 153, 1-9.	4.1	19
23	Removal of matrix-bound zoledronate prevents post-extraction osteonecrosis of the jaw by rescuing osteoclast function. Bone, 2018, 110, 141-149.	2.9	22
24	Bisphosphonate-Linked TrkB Agonist: Cochlea-Targeted Delivery of a Neurotrophic Agent as a Strategy for the Treatment of Hearing Loss. Bioconjugate Chemistry, 2018, 29, 1240-1250.	3.6	20
25	Mapping Functional Substrate-Enzyme Interactions in the pol β Active Site through Chemical Biology: Structural Responses to Acidity Modification of Incoming dNTPs. Biochemistry, 2018, 57, 3934-3944.	2.5	11
26	Probing DNA Base-Dependent Leaving Group Kinetic Effects on the DNA Polymerase Transition State. Biochemistry, 2018, 57, 3925-3933.	2.5	18
27	Design, Synthesis, and Antimicrobial Evaluation of a Novel Bone-Targeting Bisphosphonate-Ciprofloxacin Conjugate for the Treatment of Osteomyelitis Biofilms. Journal of Medicinal Chemistry, 2017, 60, 2326-2343.	6.4	77
28	Selective BET bromodomain inhibition as an antifungal therapeutic strategy. Nature Communications, 2017, 8, 15482.	12.8	37
29	Remarkably Stereospecific Utilization of ATP β , γ -Halomethylene Analogues by Protein Kinases. Journal of the American Chemical Society, 2017, 139, 7701-7704.	13.7	13
30	Teriparatide attenuates scarring around murine cranial bone allograft via modulation of angiogenesis. Bone, 2017, 97, 192-200.	2.9	15
31	A Change in the Rate-Determining Step of Polymerization by the K289M DNA Polymerase β Cancer-Associated Variant. Biochemistry, 2017, 56, 2096-2105.	2.5	16
32	DNA Polymerase β Cancer-Associated Variant I260M Exhibits Nonspecific Selectivity toward the β - γ Bridging Group of the Incoming dNTP. Biochemistry, 2017, 56, 5449-5456.	2.5	7
33	Recent advances in therapeutics and drug delivery for the treatment of inner ear diseases: a patent review (2011-2015). Expert Opinion on Therapeutic Patents, 2017, 27, 191-202.	5.0	25
34	Response to Drug Diffusion to the Apex of the Human Cochlea. Otolaryngology and Neurotology, 2016, 37, 1463-1464.	1.3	0
35	Functional interplay between NTP leaving group and base pair recognition during RNA polymerase II nucleotide incorporation revealed by methylene substitution. Nucleic Acids Research, 2016, 44, 3820-3828.	14.5	4
36	Fluorescent Bisphosphonate and Carboxyphosphonate Probes: A Versatile Imaging Toolkit for Applications in Bone Biology and Biomedicine. Bioconjugate Chemistry, 2016, 27, 329-340.	3.6	47

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37	Bromodomains: Structure, function and pharmacology of inhibition. <i>Biochemical Pharmacology</i> , 2016, 106, 1-18.	4.4	186
38	Non-Ototoxic Local Delivery of Bisphosphonate to the Mammalian Cochlea. <i>Otology and Neurotology</i> , 2015, 36, 953-960.	1.3	24
39	Endocytotic Uptake of Zoledronic Acid by Tubular Cells May Explain Its Renal Effects in Cancer Patients Receiving High Doses of the Compound. <i>PLoS ONE</i> , 2015, 10, e0121861.	2.5	19
40	Two Scaffolds from Two Flips: ($\hat{1}\pm, \hat{1}^2$)/($\hat{1}^2, \hat{1}^3$) CH ₂ /NH $\hat{1}\hat{2}$ Met-Im $\hat{2}$ Analogues of dTTP. <i>Organic Letters</i> , 2015, 17, 2586-2589.	4.6	10
41	5 $\hat{2}$ - $\hat{1}^2, \hat{1}^3$ -CHF-ATP Diastereomers: Synthesis and Fluorine-Mediated Selective Binding by c-Src Protein Kinase. <i>Organic Letters</i> , 2015, 17, 1624-1627.	4.6	13
42	Real-Time Intravital Imaging Establishes Tumor-Associated Macrophages as the Extraskeletal Target of Bisphosphonate Action in Cancer. <i>Cancer Discovery</i> , 2015, 5, 35-42.	9.4	133
43	Bisphosphonate-induced differential modulation of immune cell function in gingiva and bone marrow <i>in vivo</i> : Role in osteoclast-mediated NK cell activation. <i>Oncotarget</i> , 2015, 6, 20002-20025.	1.8	72
44	Transition State in DNA Polymerase $\hat{1}^2$ Catalysis: Rate-Limiting Chemistry Altered by Base-Pair Configuration. <i>Biochemistry</i> , 2014, 53, 1842-1848.	2.5	29
45	Bisphosphonate Uptake in Areas of Tooth Extraction or Periapical Disease. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 2461-2468.	1.2	30
46	Small Molecule Inhibition of SAMHD1 dNTPase by Tetramer Destabilization. <i>Journal of the American Chemical Society</i> , 2014, 136, 9822-9825.	13.7	33
47	On the Observation of Discrete Fluorine NMR Spectra for Uridine 5 $\hat{2}$ - $\hat{1}^2, \hat{1}^3$ -Fluoromethylenetriphosphate Diastereomers at Basic pH. <i>Journal of Organic Chemistry</i> , 2014, 79, 5315-5319.	3.2	5
48	Development of oral osteomucosal tissue constructs <i>in vitro</i> and localization of fluorescently-labeled bisphosphonates to hard and soft tissue. <i>International Journal of Molecular Medicine</i> , 2014, 34, 559-563.	4.0	21
49	Identification of a novel <i>BET</i> bromodomain inhibitor $\hat{2}$ sensitive, gene regulatory circuit that controls Rituximab response and tumour growth in aggressive lymphoid cancers. <i>EMBO Molecular Medicine</i> , 2013, 5, 1180-1195.	6.9	64
50	Jaw bone marrow-derived osteoclast precursors internalize more bisphosphonate than long-bone marrow precursors. <i>Bone</i> , 2013, 57, 242-251.	2.9	39
51	Equilibrium-dependent bisphosphonate interaction with crystalline bone mineral explains anti-resorptive pharmacokinetics and prevalence of osteonecrosis of the jaw in rats. <i>Bone</i> , 2013, 53, 59-68.	2.9	48
52	Evolution of an Amino Acid Based Prodrug Approach: Stay Tuned. <i>Molecular Pharmaceutics</i> , 2013, 10, 445-458.	4.6	26
53	Reduction of Fluorinated Cyclopropene by Nitrogenase. <i>Journal of the American Chemical Society</i> , 2013, 135, 10346-10352.	13.7	11
54	Rab-geranylgeranyl transferase regulates glucose-stimulated insulin secretion from pancreatic $\hat{1}^2$ cells. <i>Islets</i> , 2012, 4, 354-358.	1.8	20

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55	Binary complex crystal structure of DNA polymerase β reveals multiple conformations of the templating 8-oxoguanine lesion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 113-118.	7.1	80
56	Structure of Cyclic Nucleoside Phosphonate Ester Prodrugs: An Inquiry. Journal of Organic Chemistry, 2012, 77, 684-689.	3.2	5
57	Effect of β , β -CHF- and β , β -CHCl-dGTP Halogen Atom Stereochemistry on the Transition State of DNA Polymerase β . Biochemistry, 2012, 51, 8491-8501.	2.5	17
58	Influence of bone affinity on the skeletal distribution of fluorescently labeled bisphosphonates in vivo. Journal of Bone and Mineral Research, 2012, 27, 835-847.	2.8	92
59	β , β -CHF- and β , β -CHCl-dGTP Diastereomers: Synthesis, Discrete ^{31}P NMR Signatures, and Absolute Configurations of New Stereochemical Probes for DNA Polymerases. Journal of the American Chemical Society, 2012, 134, 8734-8737.	13.7	31
60	Stereospecific Formation of a Ternary Complex of (<i>S</i>)- β -Fluoromethylene-dATP with DNA Pol β . ChemBioChem, 2012, 13, 528-530.	2.6	26
61	Bisphosphonate Binding Affinity Affects Drug Distribution in Both Intracortical and Trabecular Bone of Rabbits. Calcified Tissue International, 2012, 90, 202-210.	3.1	35
62	Host Modulators of H1N1 Cytopathogenicity. PLoS ONE, 2012, 7, e39284.	2.5	31
63	A serendipitous phosphonocarboxylate complex of boron: when vessel becomes reagent. Chemical Communications, 2011, 47, 6395.	4.1	5
64	Tyrosine-Based 1-(<i>S</i>)-[3-Hydroxy-2-(phosphonomethoxy)propyl]cytosine and -adenine ((<i>S</i>)-HPMPC and (<i>S</i>)-HPMPA) Prodrugs: Synthesis, Stability, Antiviral Activity, and in Vivo Transport Studies. Journal of Medicinal Chemistry, 2011, 54, 5680-5693.	6.4	39
65	Farnesyl pyrophosphate synthase modulators: a patent review (2006 – 2010). Expert Opinion on Therapeutic Patents, 2011, 21, 1433-1451.	5.0	33
66	The relationship between the chemistry and biological activity of the bisphosphonates. Bone, 2011, 49, 20-33.	2.9	327
67	Synthesis, stereochemistry and SAR of a series of minodronate analogues as RGGT inhibitors. European Journal of Medicinal Chemistry, 2011, 46, 4820-4826.	5.5	26
68	Quantification of foscarnet with chromogenic and fluorogenic chemosensors: indicator displacement assays based on metal ion coordination with a catechol ligand moiety. New Journal of Chemistry, 2011, 35, 2877.	2.8	11
69	Synthesis and Characterization of Novel Fluorescent Nitrogen-Containing Bisphosphonate Imaging Probes for Bone Active Drugs. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 970-971.	1.6	16
70	β -Azido Bisphosphonates: Synthesis and Nucleotide Analogues. Journal of Organic Chemistry, 2011, 76, 5132-5136.	3.2	23
71	Synthesis, transport and antiviral activity of Ala-Ser and Val-Ser prodrugs of cidofovir. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4045-4049.	2.2	15
72	Microwave-assisted synthesis of nitrogen-containing 1-hydroxymethylbisphosphonate drugs. Tetrahedron Letters, 2011, 52, 2285-2287.	1.4	33

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73	Synthesis and Sensing of Bisphosphonophosphate Alkyl Monoesters: A Novel Class of Compounds for the Study of Nucleoside 5'-Triphosphate Chemistry. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 966-967.	1.6	0
74	Approaches to Tyrosine-Linked Peptidomimetic Prodrugs of (S)-HPMP-Based Acyclic Nucleoside Phosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 968-969.	1.6	1
75	Fluorescent risedronate analogues reveal bisphosphonate uptake by bone marrow monocytes and localization around osteocytes in vivo. Journal of Bone and Mineral Research, 2010, 25, 606-616.	2.8	156
76	Puromycin-sensitive aminopeptidase: An antiviral prodrug activating enzyme. Antiviral Research, 2010, 85, 482-489.	4.1	12
77	Modifications to the dNTP triphosphate moiety: From mechanistic probes for DNA polymerases to antiviral and anti-cancer drug design. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1223-1230.	2.3	30
78	Electronic circular dichroism of monomethyl [16O,17O,18O]-phosphate and [16O,17O,18O]-thiophosphate revisited. Bioorganic Chemistry, 2010, 38, 7-16.	4.1	2
79	Label-free detection of protein-ligand interactions in real time using micromachined bulk acoustic resonators. Applied Physics Letters, 2010, 96, .	3.3	40
80	Synthesis of Peptidomimetic Conjugates of Cyclic Nucleoside Phosphonates. Current Protocols in Nucleic Acid Chemistry, 2010, 43, Unit15.4.	0.5	3
81	Synthesis of a Novel Bisphosphonic Acid Alkene Monomer. Synthetic Communications, 2010, 40, 3577-3584.	2.1	9
82	RAB26 and RAB3D Are Direct Transcriptional Targets of MIST1 That Regulate Exocrine Granule Maturation. Molecular and Cellular Biology, 2010, 30, 1269-1284.	2.3	88
83	Synthesis and biological evaluation of fluorinated deoxynucleotide analogs based on bis-(difluoromethylene)triphosphoric acid. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15693-15698.	7.1	44
84	Serine Side Chain-Linked Peptidomimetic Conjugates of Cyclic HPMP and HPMPA: Synthesis and Interaction with hPEPT1. Molecular Pharmaceutics, 2010, 7, 2349-2361.	4.6	22
85	Synthesis, Chiral High Performance Liquid Chromatographic Resolution and Enantiospecific Activity of a Potent New Geranylgeranyl Transferase Inhibitor, 2-Hydroxy-3-imidazo[1,2-a]pyridin-3-yl-2-phosphonopropionic Acid. Journal of Medicinal Chemistry, 2010, 53, 3454-3464.	6.4	57
86	Halogenated 2,3-Methylene- and Ethylidene-dGTP-DNA Ternary Complexes with DNA Polymerase β : Structural Evidence for Stereospecific Binding of the Fluoromethylene Analogues. Journal of the American Chemical Society, 2010, 132, 7617-7625.	13.7	48
87	Prodrug approaches to improving the oral absorption of antiviral nucleotide analogues. Expert Opinion on Drug Delivery, 2009, 6, 405-420.	5.0	52
88	(1-(Aminobenzyl)-2-naphthol): A New Chiral Auxiliary for the Synthesis of Enantiopure α -Aminophosphonic Acids. Chemistry - A European Journal, 2009, 15, 6718-6722.	3.3	36
89	Complexation of bisphosphonates with ytterbium(III): Application of phosphate and ATP detection assay based on Yb ³⁺ -pyrocatechol violet. Journal of Inorganic Biochemistry, 2009, 103, 1652-1657.	3.5	17
90	A Computational Study of the Hydrolysis of dGTP Analogues with Halomethylene-Modified Leaving Groups in Solution: Implications for the Mechanism of DNA Polymerases. Biochemistry, 2009, 48, 5963-5971.	2.5	22

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91	Phosphonocarboxylates Inhibit the Second Geranylgeranyl Addition by Rab Geranylgeranyl Transferase. <i>Journal of Biological Chemistry</i> , 2009, 284, 6861-6868.	3.4	49
92	$\hat{1}\pm, \hat{1}^2$ -Difluoromethylene Deoxynucleoside 5'-Triphosphates: A Convenient Synthesis of Useful Probes for DNA Polymerase $\hat{1}^2$ Structure and Function. <i>Organic Letters</i> , 2009, 11, 1883-1886.	4.6	43
93	Metal complexation chemistry used for phosphate and nucleotide determination: an investigation of the Yb ³⁺ -pyrocatechol violet sensor. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 1291-1299.	2.6	13
94	Stereoselective synthesis of enantiopure cyclic $\hat{1}\pm$ -aminophosphonic acids: Direct observation of inversion at phosphorus in phosphonate ester silyldealkylation by bromotrimethylsilane. <i>Heteroatom Chemistry</i> , 2008, 19, 575-582.	0.7	20
95	Farnesyl pyrophosphate synthase enantiospecificity with a chiral risedronate analog, [6,7-dihydro-5H-cyclopenta[c]pyridin-7-yl(hydroxy)methylene]bis(phosphonic acid) (NE-10501): Synthetic, structural, and modeling studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2878-2882.	2.2	10
96	DNA Polymerase $\hat{1}^2$ Fidelity: Halomethylene-Modified Leaving Groups in Pre-Steady-State Kinetic Analysis Reveal Differences at the Chemical Transition State. <i>Biochemistry</i> , 2008, 47, 870-879.	2.5	79
97	Serine Peptide Phosphoester Prodrugs of Cyclic Cidofovir: Synthesis, Transport, and Antiviral Activity. <i>Molecular Pharmaceutics</i> , 2008, 5, 598-609.	4.6	34
98	Diastereoselective Synthesis of Enantiopure Cyclic $\hat{1}\pm$ -Aminophosphonic Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 2647-2648.	1.6	4
99	Fluorescently Labeled Risedronate and Related Analogues: "Magic Linker" Synthesis. <i>Bioconjugate Chemistry</i> , 2008, 19, 2308-2310.	3.6	53
100	Biphasic requirement for geranylgeraniol in hippocampal long-term potentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11394-11399.	7.1	66
101	Phosphonylation of 1,3-Diaryl-2,3-dihydro-1H-naphth[1,2-c][1,3]oxazine by Dialkyl and Diaryl Phosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 2645-2646.	1.6	0
102	Sequence Specific Label-Free DNA Sensing Using Film-Bulk-Acoustic-Resonators. <i>IEEE Sensors Journal</i> , 2007, 7, 1587-1588.	4.7	44
103	Modifying the $\hat{1}^2, \hat{1}^3$ Leaving-Group Bridging Oxygen Alters Nucleotide Incorporation Efficiency, Fidelity, and the Catalytic Mechanism of DNA Polymerase $\hat{1}^2$. <i>Biochemistry</i> , 2007, 46, 461-471.	2.5	99
104	(R)- $\hat{1}^2, \hat{1}^3$ -Fluoromethylene-dGTP-DNA Ternary Complex with DNA Polymerase $\hat{1}^2$. <i>Journal of the American Chemical Society</i> , 2007, 129, 15412-15413.	13.7	54
105	Synthesis and Biological Evaluation of $\hat{1}\pm$ -Halogenated Bisphosphonate and Phosphonocarboxylate Analogues of Risedronate. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5967-5975.	6.4	68
106	Synthesis and biological activation of an ethylene glycol-linked amino acid conjugate of cyclic cidofovir. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 583-586.	2.2	17
107	A new approach to the synthesis of benzylidene derivatives of 1-($\hat{1}\pm$ -aminobenzyl)-2-naphthols (Betti) T_j ETQq1 1 0.784314 rgBT /Over	1.6	12
108	Molecular interactions of nitrogen-containing bisphosphonates within farnesyl diphosphate synthase. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2679-2687.	1.8	31

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109	Synthesis of $\hat{\pm}$ -fluorinated phosphonoacetate derivatives using electrophilic fluorine reagents: Perchloryl fluoride versus 1-chloromethyl-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane bis(tetrafluoroborate) (Selectfluor [®]). <i>Journal of Fluorine Chemistry</i> , 2005, 126, 1467-1475.	1.7	31
110	A new signal processing method to observe weak ³¹ P and ¹⁷ O NMR peaks. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2644-2650.	1.8	6
111	Cidofovir peptide conjugates as prodrugs. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2673-2678.	1.8	25
112	A film bulk acoustic resonator in liquid environments. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 1911-1916.	2.6	78
113	Phosphonocarboxylate inhibitors of Rab geranylgeranyl transferase disrupt the prenylation and membrane localization of Rab proteins in osteoclasts in vitro and in vivo. <i>Bone</i> , 2005, 37, 349-358.	2.9	91
114	Synthesis and stability studies of phosphonoformate ^ε amino acid conjugates: a new class of slowly releasing foscarnet prodrugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1787-1790.	2.2	6
115	The First Optically Active Polycarbazoles. <i>Macromolecules</i> , 2003, 36, 6956-6958.	4.8	41
116	Control of Chiral Ordering in Aggregated Poly{3-(S)-[2-methylbutyl]thiophene} by a Doping-Dedoping Process. <i>Journal of the American Chemical Society</i> , 2003, 125, 7878-7881.	13.7	18
117	Recent Progress in Carbonylphosphonate Chemistry. <i>Topics in Current Chemistry</i> , 2002, , 201-238.	4.0	29
118	Synthesis, Biological Evaluation, and Quantitative Structure [~] Activity Relationship Analysis of New Schiff Bases of Hydroxysemicarbazide as Potential Antitumor Agents. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 410-419.	6.4	254
119	Troika Acid Derivatives: Multifunctional Ligands for Metal Complexation in Solution and on Solid Supports. A Novel, Linear Trinickel ("Troitsa") Complex. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 2273-2273.	1.6	0
120	Oxidative Pathways of $\hat{\pm}$ -Diazo Phosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 2271-2271.	1.6	3
121	Carbonylbisphosphonate Analogues of Nucleoside 5 ^{â€²} -Diphosphates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 2275-2275.	1.6	4
122	Carbonylbisphosphonate and (diazomethylene)bisphosphonate analogues of AZT 5 ^{â€²} -diphosphate. <i>Bioorganic Chemistry</i> , 2002, 30, 383-395.	4.1	11
123	Synthesis of oligodeoxyribonucleoside phosphorothioates using Lawesson's Reagent for the Sulfur Transfer Step. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1643-1645.	2.2	15
124	Indirect Photo-induced Phosphorylation via a Photolabile Troika Acid C-Ester: o-Nitrobenzyl (E)-(Hydroxyimino)(dihydroxyphosphinyl)acetate. <i>Tetrahedron</i> , 2000, 56, 2391-2396.	1.9	5
125	Perspectives on the Mechanism of ATP Hydrolysis by Nitrogenase. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 144, 513-516.	1.6	0
126	The Preparation of Sulfur-Containing Phosphonoformate Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 147, 213-213.	1.6	1

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127	Effects of Divalent Metal Ions on pH-Dependent Hydrolysis of <i>p</i> -Nitrophenyl (E)-(Hydroxyimino) Phosphonoacetate. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 153-153.	1.6	2
128	Synthetic Approaches to Biologically Active Bisphosphonates and Phosphonocarboxylates. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 144, 313-316.	1.6	12
129	Indirect Photo-Induced Phosphorylation Via a C-Ester Caged Troika Acid. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 65-65.	1.6	2
130	Protonation of cyclopropene complexes of platinum(0) and the reduction of cyclopropene by nitrogenases. Inorganica Chimica Acta, 1998, 280, 193-201.	2.4	6
131	Catalytic Reduction of cis-Dimethyldiazene by the [MoFe ₃ S ₄] ³⁺ Clusters. The Four-Electron Reduction of a NN Bond by a Nitrogenase-Relevant Cluster and Implications for the Function of Nitrogenase. Journal of the American Chemical Society, 1997, 119, 1662-1667.	13.7	69
132	Reduction of Cyclic and Acyclic Diazene Derivatives by Azotobacter vinelandii Nitrogenase: Δ Diazirine and trans-Dimethyldiazene. Biochemistry, 1996, 35, 4502-4514.	2.5	26
133	(Hydroxyimino)Phosphonoacetic Acids: Synthesis, Stereochemistry and Reactivity. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 111, 158-158.	1.6	1
134	Silver-promoted conversion of cyclopropene to allylic products. Tetrahedron Letters, 1995, 36, 2223-2226.	1.4	2
135	E-(hydroxyimino)(hydroxymethoxyphosphinyl)acetic acid: Synthesis and pH-dependent fragmentation. Tetrahedron Letters, 1995, 36, 9437-9440.	1.4	7
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