

Robert Engel

List of Publications by Year in descending order

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60
papers

1,779
citations

394421

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265206

42
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61
all docs

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docs citations

61
times ranked

1338
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synthesis and Biological Activity of Highly Cationic Dendrimer Antibiotics. <i>Molecular Pharmaceutics</i> , 2016, 13, 3827-3834. | 4.6 | 27 |
| 2 | Introduction to the Robert Bittman Memorial Issue. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 1. | 3.2 | 0 |
| 3 | Polycations XX: New Monodentate Cationic Ligands and Their Coordination with Ruthenium for the Construction of Complexes Expressing Enhanced Interaction with DNA. <i>Organic Chemistry International</i> , 2012, 2012, 1-7. | 1.0 | 0 |
| 4 | Glycoside-Based Ionic Liquids. , 2011, , . | | 1 |
| 5 | Polycationic Glycosides. <i>Molecules</i> , 2011, 16, 1508-1518. | 3.8 | 19 |
| 6 | Polycations. 18. The synthesis of polycationic lipid materials based on the diamine 1,4-diazabicyclo[2.2.2]octane. <i>Chemistry and Physics of Lipids</i> , 2009, 158, 61-69. | 3.2 | 27 |
| 7 | Polycations. 19. The synthesis of symmetrical dicationic lipids with internal dimethylazonia functionalities separated by a spacer unit and pendant chains. <i>Chemistry and Physics of Lipids</i> , 2009, 160, 105-108. | 3.2 | 0 |
| 8 | Polycations. 17. Synthesis and properties of polycationic derivatives of carbohydrates. <i>Carbohydrate Research</i> , 2009, 344, 1620-1627. | 2.3 | 25 |
| 9 | New Cations for Ionic Liquids, Including Chiral Adjuncts with Phosphate and Sulfonylimide Anions. <i>ACS Symposium Series</i> , 2007, , 259-266. | 0.5 | 2 |
| 10 | 1,4-Diazabicyclo[2.2.2]octane Derivatives: A Novel Class of Voltage-Gated Potassium Channel Blockers. <i>Molecular Pharmacology</i> , 2006, 69, 718-726. | 2.3 | 9 |
| 11 | Effects of functional group substitution on electron spectra and solvation dynamics in a family of ionic liquids. <i>Radiation Physics and Chemistry</i> , 2005, 72, 99-104. | 2.8 | 81 |
| 12 | A New Category of Liquid Salt-Liquid Ionic Phosphates (LIPs). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1441-1445. | 1.6 | 14 |
| 13 | POLYCATIONIC MODIFIED PAPER FOR CHROMATOGRAPHY. <i>Analytical Letters</i> , 2002, 35, 1715-1720. | 1.8 | 5 |
| 14 | Polycations-12. The Synthesis of Liquid Ionic Phosphates (LIPs) from Mono- and Polycationic Ammonium Halides. <i>Synthesis</i> , 2002, 2002, 1530-1540. | 2.3 | 8 |
| 15 | Preparation and investigation of antibacterial carbohydrate-based surfaces. <i>Carbohydrate Research</i> , 2002, 337, 2495-2499. | 2.3 | 83 |
| 16 | Polycations. IX. Polyammonium derivatives of cyclodextrins: syntheses and binding to organic oxyanions. <i>Heteroatom Chemistry</i> , 2000, 11, 546-555. | 0.7 | 16 |
| 17 | Polycations. 7. Polycationic Cyclic Alkynes. <i>Synthetic Communications</i> , 2000, 30, 2161-2164. | 2.1 | 5 |
| 18 | Polycations. Part X. LIPs, a new category of room temperature ionic liquid based on polyammonium salts. <i>Chemical Communications</i> , 2000, , 2413-2414. | 4.1 | 63 |

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| 19 | Polycations. 6. polycationic heterocyclic salts: Their synthesis and effect on double-stranded DNA. <i>Heteroatom Chemistry</i> , 1999, 10, 559-565. | 0.7 | 7 |
| 20 | Synthesis of Biological Activities of Phosphorus-Containing Polycationic Strings. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 147, 83-83. | 1.6 | 2 |
| 21 | Polycations. 5. Inducement of $\hat{\nu}$ -DNA Circular Dichroism Signals for Duplex Deoxyribonucleotide Homopolymers by Polycationic Strings. <i>Archives of Biochemistry and Biophysics</i> , 1999, 364, 129-131. | 3.0 | 21 |
| 22 | Polycations. 4. Synthesis and antihydrophobic effect of polycationic strings. <i>Tetrahedron Letters</i> , 1998, 39, 8617-8620. | 1.4 | 18 |
| 23 | Polycations. II. Chiral ammonium dendrimer synthesis. <i>Heteroatom Chemistry</i> , 1998, 9, 485-494. | 0.7 | 6 |
| 24 | Polycations. III. Synthesis of polyphosphonium salts for use as antibacterial agents. <i>Heteroatom Chemistry</i> , 1998, 9, 495-502. | 0.7 | 5 |
| 25 | Polycations: Syntheses of Polyammonium Strings as Antibacterial Agents. <i>Synlett</i> , 1997, 1997, 1007-1009. | 1.8 | 18 |
| 26 | A facile reduction of Ar_3COH to Ar_3CH . <i>Heteroatom Chemistry</i> , 1997, 8, 501-503. | 0.7 | 5 |
| 27 | Isosteres of Natural Phosphates 12. Methylene and Hydroxymethylene Analogues of Tyrosine O -Phosphate. <i>Main Group Chemistry</i> , 1996, 1, 279-282. | 0.8 | 0 |
| 28 | The Reaction of Phosphoryl Chlorides with Enamines - A New Approach to $\hat{\nu}$ -Ketophosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 111, 163-163. | 1.6 | 1 |
| 29 | Isosteres of Natural Phosphates. Methylene and Hydroxymethylene Analogues of Tyrosine O -Phosphate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1996, 111, 162-162. | 1.6 | 0 |
| 30 | New cascade molecules centered about phosphorus. <i>Heteroatom Chemistry</i> , 1993, 4, 181-184. | 0.7 | 37 |
| 31 | A Synthetically Useful Regioselective Epoxide Ring-Opening Procedure. <i>Synthetic Communications</i> , 1992, 22, 2367-2371. | 2.1 | 13 |
| 32 | The phosphonic acid analog of phosphatidylglycerol phosphate: influence on <i>Escherichia coli</i> growth and physiology. <i>Lipids and Lipid Metabolism</i> , 1992, 1128, 250-257. | 2.6 | 2 |
| 33 | A Novel Synthesis of 1-Aminoalkylphosphonates. <i>Synthetic Communications</i> , 1991, 21, 1039-1046. | 2.1 | 29 |
| 34 | Phosphonolipids. The synthesis of chiral vinylic phosphonolipid analogues of phosphatidic acid and phosphatidyl choline. <i>Chemistry and Physics of Lipids</i> , 1988, 49, 1-7. | 3.2 | 8 |
| 35 | Organophosphorus Chemistry. 2. The Reduction of Quinquevalent Phosphorus to the Trivalent State. <i>Synthetic Communications</i> , 1988, 18, 665-670. | 2.1 | 12 |
| 36 | Organophosphorus Chemistry. Ester-Chloride Conversion Under Mild Conditions at Phosphorus. <i>Synthetic Communications</i> , 1988, 18, 285-289. | 2.1 | 16 |

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|----|--|------|-----------|
| 37 | THERMOLYSIS OF PHOSPHONATES: PHOSPHONOFORMATE ESTERS. Phosphorous and Sulfur and the Related Elements, 1987, 29, 369-371. | 0.2 | 1 |
| 38 | An Improved Direct Oxidation of Alkyl Halides to Aldehydes. Synthetic Communications, 1986, 16, 1343-1346. | 2.1 | 60 |
| 39 | Isosteres of natural phosphates. 11. Synthesis of a phosphonic acid analogue of an oligonucleotide. Tetrahedron, 1984, 40, 3949-3956. | 1.9 | 39 |
| 40 | Isosteres of natural phosphates. 10. synthesis of analogues related to glycerol 3-phosphate. Tetrahedron, 1983, 39, 2369-2372. | 1.9 | 24 |
| 41 | The preparation of methyl 5-deoxy-5-(dihydroxyphosphinoyl)hydroxymethyl-2,3-O-isopropylidene- β -d-ribofuranoside, a precursor to a hydroxymethylene analog of d-ribose 5-phosphate. Carbohydrate Research, 1983, 117, 95-100. | 2.3 | 4 |
| 42 | A DIRECT SYNTHESIS OF 1-CYCLOALKENYLPHOSPHONATES. Phosphorous and Sulfur and the Related Elements, 1983, 15, 15-18. | 0.2 | 10 |
| 43 | Reactions of copper(I) halide complexes of trivalent phosphorus with vinylic halides. Journal of Organic Chemistry, 1981, 46, 5200-5204. | 3.2 | 42 |
| 44 | Halide Exchange at Vinylic Position Catalyzed by Copper (I)halide Complexes of Trivalent Phosphorus. Synthetic Communications, 1981, 11, 405-408. | 2.1 | 8 |
| 45 | Effects of Halo Analogs of Glycerol 3-Phosphate and Dihydroxyacetone Phosphate upon <i>Escherichia coli</i> . Antimicrobial Agents and Chemotherapy, 1981, 19, 678-681. | 3.2 | 2 |
| 46 | A Direct Synthesis of Vinylic Phosphonates from Vinylic Halides. Synthetic Communications, 1980, 10, 933-937. | 2.1 | 12 |
| 47 | An Improved Synthesis of Vinylic Phosphonates from Ketones ¹ . Synthetic Communications, 1980, 10, 299-304. | 2.1 | 24 |
| 48 | Glycerol 3-phosphate analogues as metabolic inhibitors in <i>Escherichia coli</i> 3-hydroxy-4-oxobutyl-1-phosphonate, a drug that interferes with normal phosphoglyceride metabolism. Lipids and Lipid Metabolism, 1979, 572, 472-482. | 2.6 | 8 |
| 49 | Isosteres of natural phosphates. 8. The preparation and biological properties of 1-deoxy-1-dihydroxyphosphinylmethylfructose, an analogue of fructose-1-phosphate.. Tetrahedron Letters, 1978, 19, 723-726. | 1.4 | 13 |
| 50 | The synthesis of phosphonic acid and phosphate analogues of glycerol-3-phosphate and related metabolites. Tetrahedron, 1978, 34, 2873-2878. | 1.9 | 19 |
| 51 | α -Glyceraldehyde 3-Phosphate, a Bactericidal Agent. Antimicrobial Agents and Chemotherapy, 1977, 11, 147-153. | 3.2 | 22 |
| 52 | Phosphonates as analogues of natural phosphates. Chemical Reviews, 1977, 77, 349-367. | 47.7 | 736 |
| 53 | Isosteres of natural phosphates. 5. The preparation of phosphotidylcholine, phosphotidylethanolamine and phosphotidylglycerol. Chemistry and Physics of Lipids, 1977, 19, 93-98. | 3.2 | 3 |
| 54 | Isosteres of natural phosphates.7. The preparation of 5-carboxy-4-hydroxy-4-methylpentyl-1-phosphonic acid. Tetrahedron Letters, 1977, 18, 351-354. | 1.4 | 6 |

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|----|---|-----|-----------|
| 55 | Isosteres of natural phosphates. 4. The synthesis of phosphonic acid analogues of phosphatidic acid and acyldihydroxyacetone phosphate. <i>Chemistry and Physics of Lipids</i> , 1976, 17, 169-175. | 3.2 | 14 |
| 56 | Rabbit muscle l-glycerol-3-phosphate dehydrogenase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1974, 341, 85-92. | 2.6 | 29 |
| 57 | The Inhibition of Phosphatidylglycerol Synthesis in <i>Escherichia coli</i> by 3,4-Dihydroxybutyl-1-phosphonate. <i>Journal of Biological Chemistry</i> , 1974, 249, 2473-2477. | 3.4 | 25 |
| 58 | Multiply charged ions in the mass spectra of aromatics. <i>Organic Mass Spectrometry</i> , 1973, 7, 177-183. | 1.3 | 36 |
| 59 | Effects of Phosphonic Acid Analogues of Glycerol-3-Phosphate on the Growth of <i>Escherichia coli</i> : Phospholipid Metabolism. <i>Antimicrobial Agents and Chemotherapy</i> , 1973, 4, 467-473. | 3.2 | 24 |
| 60 | Effects of Phosphonic Acid Analogues of Glycerol-3-Phosphate on the Growth of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1972, 112, 408-412. | 2.2 | 32 |