

Dina Sigano

List of Publications by Year in descending order

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232
papers

11,357
citations

26610

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262
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262
docs citations

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times ranked

8511
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Complexes of .NO with nucleophiles as agents for the controlled biological release of nitric oxide. Vasorelaxant effects. <i>Journal of Medicinal Chemistry</i> , 1991, 34, 3242-3247. | 2.9 | 730 |
| 2 | New nitric oxide-releasing zwitterions derived from polyamines. <i>Journal of Organic Chemistry</i> , 1993, 58, 1472-1476. | 1.7 | 594 |
| 3 | Chemistry of the Nitric Oxide-Releasing Diazeniumdiolate (â€œNitrosohydroxylamineâ€) Functional Group and Its Oxygen-Substituted Derivatives. <i>Chemical Reviews</i> , 2002, 102, 1135-1154. | 23.0 | 428 |
| 4 | Targeting Nitric Oxide (NO) Delivery in Vivo. Design of a Liver-Selective NO Donor Prodrug That Blocks Tumor Necrosis Factor-Î±-Induced Apoptosis and Toxicity in the Liver. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 1947-1954. | 2.9 | 268 |
| 5 | Carbeneâ€™Alkyneâ€™Alkene Cyclization Reactions. <i>Chemical Reviews</i> , 1996, 96, 271-288. | 23.0 | 254 |
| 6 | Quantitative Measurement of Endogenous Estrogens and Estrogen Metabolites in Human Serum by Liquid Chromatographyâ€™Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 7813-7821. | 3.2 | 233 |
| 7 | Overexpression of Glutathione S-Transferase II and Multidrug Resistance Transport Proteins Is Associated with Acquired Tolerance to Inorganic Arsenic. <i>Molecular Pharmacology</i> , 2001, 60, 302-309. | 1.0 | 219 |
| 8 | Nitric Oxide (NO) Donor Molecules. <i>Journal of Cardiovascular Pharmacology</i> , 1995, 25, 674-678. | 0.8 | 213 |
| 9 | Measuring Fifteen Endogenous Estrogens Simultaneously in Human Urine by High-Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 6646-6654. | 3.2 | 206 |
| 10 | Nitric Oxide-Releasing Polymers Containing the [N(O)NO]-Group. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 1148-1156. | 2.9 | 205 |
| 11 | Preparation and characterization of hydrophobic polymeric films that are thromboresistant via nitric oxide release. <i>Biomaterials</i> , 2000, 21, 9-21. | 5.7 | 205 |
| 12 | Chemistry of the Diazeniumdiolates. 2. Kinetics and Mechanism of Dissociation to Nitric Oxide in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2001, 123, 5473-5481. | 6.6 | 199 |
| 13 | PROGRESSTOWARDCLINICALAPPLICATION OF THENITRICOXIDEâ€™RELEASINGDIAZENIUMDIOLATES. <i>Annual Review of Pharmacology and Toxicology</i> , 2003, 43, 585-607. | 4.2 | 187 |
| 14 | Estrogen Metabolism and Risk of Breast Cancer in Postmenopausal Women. <i>Journal of the National Cancer Institute</i> , 2012, 104, 326-339. | 3.0 | 174 |
| 15 | Fifty Years of Diazeniumdiolate Research. From Laboratory Curiosity to Broad-Spectrum Biomedical Advances. <i>ACS Chemical Biology</i> , 2011, 6, 1147-1155. | 1.6 | 161 |
| 16 | Localizing Antithrombotic and Vasodilatory Activity with a Novel, Ultrafast Nitric Oxide Donor. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 4361-4365. | 2.9 | 144 |
| 17 | Diazeniumdiolates. <i>Free Radical Biology and Medicine</i> , 2000, 28, 1463-1469. | 1.3 | 124 |
| 18 | Nitric oxide and nanotechnology: A novel approach to inhibit neointimal hyperplasia. <i>Journal of Vascular Surgery</i> , 2008, 47, 173-182. | 0.6 | 122 |

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|----|--|-----|-----------|
| 19 | Esterase-Sensitive Nitric Oxide Donors of the Diazeniumdiolate Family: \hat{A} In Vitro Antileukemic Activity. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 261-269. | 2.9 | 121 |
| 20 | Nitric Oxide (NO)- and Nitroxyl (HNO)-Generating Diazeniumdiolates (NONOates): Emerging Commercial Opportunities. <i>Current Topics in Medicinal Chemistry</i> , 2005, 5, 625-636. | 1.0 | 121 |
| 21 | Comparison of the NO and HNO Donating Properties of Diazeniumdiolates: \hat{A} Primary Amine Adducts Release HNO in Vivo. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 8220-8228. | 2.9 | 118 |
| 22 | Differential Effects of Nonselective Nitric Oxide Synthase (NOS) and Selective Inducible NOS Inhibition on Hepatic Necrosis, Apoptosis, ICAM-1 Expression, and Neutrophil Accumulation during Endotoxemia. <i>Nitric Oxide - Biology and Chemistry</i> , 1997, 1, 404-416. | 1.2 | 117 |
| 23 | Tumor Cell Responses to a Novel Glutathione S-Transferase \hat{A} Activated Nitric Oxide-Releasing Prodrug. <i>Molecular Pharmacology</i> , 2004, 65, 1070-1079. | 1.0 | 115 |
| 24 | Mutations induced by saturated aqueous nitric oxide in the pSP189 supF gene in human Ad293 and E. coli MBM7070 cells. <i>Carcinogenesis</i> , 1993, 14, 1251-1254. | 1.3 | 107 |
| 25 | Induction of Proliferative Lesions of the Uterus, Testes, and Liver in Swiss Mice Given Repeated Injections of Sodium Arsenate: Possible Estrogenic Mode of Action. <i>Toxicology and Applied Pharmacology</i> , 2000, 166, 24-35. | 1.3 | 105 |
| 26 | A Glutathione S-Transferase \hat{A} Activated Prodrug Causes Kinase Activation Concurrent with S-Glutathionylation of Proteins. <i>Molecular Pharmacology</i> , 2006, 69, 501-508. | 1.0 | 104 |
| 27 | Antitumor Activity of JS-K [O ₂ -(2,4-Dinitrophenyl) 1-[(4-Ethoxycarbonyl)piperazin-1-yl]diazene-1-ium-1,2-diolate] and Related O ₂ -Aryl Diazeniumdiolates in Vitro and in Vivo. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 4356-4366. | 2.9 | 102 |
| 28 | The Secondary Amine/Nitric Oxide Complex Ion R ₂ N[N(O)NO] ⁻ as Nucleophile and Leaving Group in S _N Ar Reactions. <i>Journal of Organic Chemistry</i> , 2001, 66, 3090-3098. | 1.7 | 96 |
| 29 | DNA Sequence Changes Induced by Two Nitric Oxide Donor Drugs in the supF Assay. <i>Chemical Research in Toxicology</i> , 1994, 7, 628-632. | 1.7 | 90 |
| 30 | Macrophage-dependent nitric oxide expression regulates tumor cell detachment and metastasis after IL-2/anti-CD40 immunotherapy. <i>Journal of Experimental Medicine</i> , 2010, 207, 2455-2467. | 4.2 | 86 |
| 31 | Secondary amine/nitric oxide complex ions, R ₂ N[N(O)NO] ⁻ . O-Functionalization chemistry. <i>Journal of Organic Chemistry</i> , 1992, 57, 6134-6138. | 1.7 | 85 |
| 32 | Synthesis of Cyclopropylpyrrolidines via Reaction of N-Allyl-N-propargylamides with a Molybdenum Carbene Complex. Effect of Substituents and Reaction Conditions. <i>Journal of Organic Chemistry</i> , 1996, 61, 2268-2272. | 1.7 | 85 |
| 33 | PABA/NO as an Anticancer Lead: \hat{A} Analogue Synthesis, Structure Revision, Solution Chemistry, Reactivity toward Glutathione, and in Vitro Activity. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 1157-1164. | 2.9 | 85 |
| 34 | Comparison of Liquid Chromatography-Tandem Mass Spectrometry, RIA, and ELISA Methods for Measurement of Urinary Estrogens. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 292-300. | 1.1 | 84 |
| 35 | Stabilization of the Nitric Oxide (NO) Prodrugs and Anticancer Leads, PABA/NO and Double JS-K, through Incorporation into PEG-Protected Nanoparticles. <i>Molecular Pharmaceutics</i> , 2010, 7, 291-298. | 2.3 | 84 |
| 36 | Nitric Oxide Releasing Polyurethanes with Covalently Linked Diazeniumdiolated Secondary Amines. <i>Biomacromolecules</i> , 2006, 7, 987-994. | 2.6 | 83 |

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|----|---|------|-----------|
| 37 | Urinary Estrogens and Estrogen Metabolites and Subsequent Risk of Breast Cancer among Premenopausal Women. <i>Cancer Research</i> , 2012, 72, 696-706. | 0.4 | 83 |
| 38 | Chemistry of the Diazeniumdiolates I. Structural and Spectral Characteristics of the [N(O)NO] ⁺ Functional Group. <i>Nitric Oxide - Biology and Chemistry</i> , 2001, 5, 377-394. | 1.2 | 82 |
| 39 | Deuterium Isotope Effect on the Carcinogenicity of Dimethylnitrosamine in Rat Liver 2. <i>Journal of the National Cancer Institute</i> , 1973, 51, 299-302. | 3.0 | 80 |
| 40 | The nitric oxide donor, V-PYRRO/NO, protects against acetaminophen-induced hepatotoxicity in mice. <i>Hepatology</i> , 2003, 37, 324-333. | 3.6 | 78 |
| 41 | Complexes of Nitric Oxide with Nucleophiles as Agents for the Controlled Biological Release of Nitric Oxide. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 22, 287-292. | 0.8 | 77 |
| 42 | Materials from peptide assembly: towards the treatment of cancer and transmittable disease. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 427-434. | 2.8 | 75 |
| 43 | Mechanism of Vascular Relaxation Induced by the Nitric Oxide (NO)/Nucleophile Complexes, a New Class of NO-Based Vasodilators. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 21, 670-676. | 0.8 | 72 |
| 44 | A liquid chromatography-mass spectrometry method for the quantitative analysis of urinary endogenous estrogen metabolites. <i>Nature Protocols</i> , 2007, 2, 1350-1355. | 5.5 | 72 |
| 45 | Thwarting thrombus. <i>Nature Materials</i> , 2003, 2, 357-358. | 13.3 | 70 |
| 46 | O ² -Acetoxymethyl-protected diazeniumdiolate-based NSAIDs (NONO-NSAIDs): Synthesis, nitric oxide release, and biological evaluation studies. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4767-4774. | 1.4 | 70 |
| 47 | Nickel-aluminum alloy as a reducing agent. <i>Chemical Reviews</i> , 1989, 89, 459-502. | 23.0 | 68 |
| 48 | Beneficial effect of a short-acting NO donor for the prevention of neointimal hyperplasia. <i>Free Radical Biology and Medicine</i> , 2008, 44, 73-81. | 1.3 | 67 |
| 49 | HNO and NO Release from a Primary Amine-Based Diazeniumdiolate As a Function of pH. <i>Inorganic Chemistry</i> , 2011, 50, 3262-3270. | 1.9 | 67 |
| 50 | Nitric Oxide Inhibits Vascular Smooth Muscle Cell Proliferation and Neointimal Hyperplasia by Increasing the Ubiquitination and Degradation of UbcH10. <i>Cell Biochemistry and Biophysics</i> , 2011, 60, 89-97. | 0.9 | 67 |
| 51 | The Nitric Oxide Prodrug JS-K Is Effective against Non-Small-Cell Lung Cancer Cells In Vitro and In Vivo: Involvement of Reactive Oxygen Species. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 313-320. | 1.3 | 64 |
| 52 | Augmentation of Intrapericardial Nitric Oxide Level by a Prolonged-Release Nitric Oxide Donor Reduces Luminal Narrowing After Porcine Coronary Angioplasty. <i>Circulation</i> , 2002, 105, 2779-2784. | 1.6 | 63 |
| 53 | Chemistry of the Diazeniumdiolates. 3. Photoreactivity. <i>Journal of the American Chemical Society</i> , 2001, 123, 5465-5472. | 6.6 | 62 |
| 54 | Second-Generation Aspirin and Indomethacin Prodrugs Possessing an O ² -(Acetoxymethyl)-1-(2-carboxypyrrolidin-1-yl)diazenium-1,2-diolate Nitric Oxide Donor Moiety: Design, Synthesis, Biological Evaluation, and Nitric Oxide Release Studies. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1954-1961. | 2.9 | 61 |

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|----|---|-----|-----------|
| 55 | Inhibition of Oxidized Low-density Lipoprotein-induced Apoptosis in Endothelial Cells by Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2001, 276, 17316-17323. | 1.6 | 59 |
| 56 | Piperazine as a Linker for Incorporating the Nitric Oxide-Releasing Diazeniumdiolate Group into Other Biomedically Relevant Functional Molecules. <i>Journal of Organic Chemistry</i> , 1999, 64, 5124-5131. | 1.7 | 57 |
| 57 | Infectious Entry and Neutralization of Pathogenic JC Polyomaviruses. <i>Cell Reports</i> , 2017, 21, 1169-1179. | 2.9 | 57 |
| 58 | Reduction of Rat Liver Carcinogenicity of α -Nitrosomorpholine by α -Deuterium Substitution 2. <i>Journal of the National Cancer Institute</i> , 1976, 57, 1311-1313. | 3.0 | 54 |
| 59 | A kinetic investigation of intermediates formed during the Fenton reagent mediated degradation of N-nitrosodimethylamine: evidence for an oxidative pathway not involving hydroxyl radical. <i>Chemical Research in Toxicology</i> , 1991, 4, 510-512. | 1.7 | 54 |
| 60 | TIMP-2 mediates the anti-invasive effects of the nitric oxide-releasing prodrug JS-K in breast cancer cells. <i>Breast Cancer Research</i> , 2008, 10, R44. | 2.2 | 54 |
| 61 | Isopropylamine NONOate (IPA/NO) moderates neointimal hyperplasia following vascular injury. <i>Journal of Vascular Surgery</i> , 2010, 51, 1248-1259. | 0.6 | 52 |
| 62 | Dual Mechanisms of HNO Generation by a Nitroxyl Prodrug of the Diazeniumdiolate (NONOate) Class. <i>Journal of the American Chemical Society</i> , 2010, 132, 16526-16532. | 6.6 | 52 |
| 63 | O ² -Vinyl 1-(Pyrrolidin-1-yl)diazen-1-ium-1,2-diolate Protection Against α -Galactosamine/Endotoxin-Induced Hepatotoxicity in Mice: Genomic Analysis Using Microarrays. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 18-25. | 1.3 | 51 |
| 64 | Facile hydrogen isotope exchange as evidence for an α -nitrosamino carbanion. <i>Journal of the American Chemical Society</i> , 1970, 92, 5747-5748. | 6.6 | 50 |
| 65 | Nitric oxide induces metallothionein (MT) gene expression apparently by displacing zinc bound to MT. <i>Toxicology Letters</i> , 2001, 119, 103-108. | 0.4 | 49 |
| 66 | The nitric oxide donor, V-PYRRO/NO, protects against acetaminophen-induced nephrotoxicity in mice. <i>Toxicology</i> , 2003, 189, 173-180. | 2.0 | 48 |
| 67 | Nitric Oxide-Releasing Fabrics and Other Acrylonitrile-Based Diazeniumdiolates. <i>Journal of the American Chemical Society</i> , 2007, 129, 3786-3787. | 6.6 | 46 |
| 68 | Synthesis, mechanistic studies, and anti-proliferative activity of glutathione/glutathione S-transferase-activated nitric oxide prodrugs. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9764-9771. | 1.4 | 46 |
| 69 | Selective opening of the blood-brain barrier by a nitric oxide donor and long-term survival in rats with C6 gliomas. <i>Journal of Neurosurgery</i> , 2003, 99, 728-737. | 0.9 | 45 |
| 70 | Rational Design of Drugs That Induce Human Immunodeficiency Virus Replication. <i>Journal of Virology</i> , 2003, 77, 10227-10236. | 1.5 | 44 |
| 71 | Growth-inhibitory and chemosensitizing effects of the glutathione S-transferase-activated nitric oxide donor PABA/NO in malignant gliomas. <i>International Journal of Cancer</i> , 2012, 130, 1184-1194. | 2.3 | 44 |
| 72 | Alkyl Amine Bevirimat Derivatives Are Potent and Broadly Active HIV-1 Maturation Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 190-197. | 1.4 | 44 |

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|----|---|-----|-----------|
| 73 | Reduction of nitrosamines with aqueous titanium trichloride: convenient preparation of aliphatic hydrazines. <i>Journal of Organic Chemistry</i> , 1984, 49, 3470-3473. | 1.7 | 43 |
| 74 | V-PYRRO/NO: AN HEPATO-SELECTIVE NITRIC OXIDE DONOR IMPROVES PORCINE LIVER HEMODYNAMICS AND FUNCTION AFTER ISCHEMIA REPERFUSION1. <i>Transplantation</i> , 2001, 71, 193-198. | 0.5 | 42 |
| 75 | JS-K, a Glutathione S-Transferase-Activated Nitric Oxide Donor With Antineoplastic Activity in Malignant Gliomas. <i>Neurosurgery</i> , 2012, 70, 497-510. | 0.6 | 42 |
| 76 | Nitric oxide and ethylnitrosourea: relative mutagenicity in the p53 tumor suppressor and hypoxanthine-phosphoribosyltransferase genes. <i>Carcinogenesis</i> , 1995, 16, 2069-2074. | 1.3 | 41 |
| 77 | Hydrolytic Reactivity Trends among Potential Prodrugs of the O ² -Glycosylated Diazeniumdiolate Family. Targeting Nitric Oxide to Macrophages for Antileishmanial Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3961-3970. | 2.9 | 40 |
| 78 | Conformationally Constrained Analogues of Diacylglycerol. 29. Cells Sort Diacylglycerol-Lactone Chemical Zip Codes to Produce Diverse and Selective Biological Activities. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5198-5220. | 2.9 | 40 |
| 79 | Nuclear Magnetic Resonance Study of Oxiranes from Ephedrine Salts1a. <i>Journal of Organic Chemistry</i> , 1966, 31, 3921-3924. | 1.7 | 38 |
| 80 | Nitric Oxide (NO) Releasing Poly ADP-ribose Polymerase 1 (PARP-1) Inhibitors Targeted to Glutathione S-Transferase P1-Overexpressing Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2292-2302. | 2.9 | 36 |
| 81 | JS-K; a nitric oxide-releasing prodrug, modulates β -catenin/TCF signaling in leukemic Jurkat cells: Evidence of an S-nitrosylated mechanism. <i>Biochemical Pharmacology</i> , 2010, 80, 1641-1649. | 2.0 | 35 |
| 82 | Safe disposal of carcinogenic nitrosamines. <i>Carcinogenesis</i> , 1983, 4, 315-319. | 1.3 | 34 |
| 83 | Diethylamine/Nitric Oxide (NO) Adduct, an NO Donor, Produces Potent Pulmonary and Systemic Vasodilation in Intact Newborn Lambs. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 23, 113-119. | 0.8 | 34 |
| 84 | Pharmacokinetics and consistency of pericardial delivery directed to coronary arteries: Direct comparison with endoluminal delivery. <i>Clinical Cardiology</i> , 1999, 22, 10-16. | 0.7 | 34 |
| 85 | The liver-selective NO donor, V-PYRRO/NO, protects against liver steatosis and improves postprandial glucose tolerance in mice fed high fat diet. <i>Biochemical Pharmacology</i> , 2015, 93, 389-400. | 2.0 | 34 |
| 86 | Deuterium isotope effect on metabolism of N-nitrosodimethylamine in vivo in rat. <i>Carcinogenesis</i> , 1983, 4, 821-825. | 1.3 | 33 |
| 87 | Mutagenicity of glyceryl trinitrate (nitroglycerin) in <i>Salmonella typhimurium</i> . <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1993, 298, 187-195. | 1.2 | 33 |
| 88 | Boundary Layer Infusion of Nitric Oxide Reduces Early Smooth Muscle Cell Proliferation in the Endarterectomized Canine Artery. <i>Journal of Surgical Research</i> , 1997, 67, 26-32. | 0.8 | 33 |
| 89 | Chemistry of the Diazeniumdiolates. O- versus N-Alkylation of the RNH[N(O)NO]-Ion. <i>Journal of the American Chemical Society</i> , 2004, 126, 12880-12887. | 6.6 | 33 |
| 90 | Differential effects of nitric oxide on blood-brain barrier integrity and cerebral blood flow in intracerebral C6 gliomas. <i>Neuro-Oncology</i> , 2011, 13, 203-211. | 0.6 | 33 |

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|-----|--|-----|-----------|
| 91 | The Fenton degradation as a nonenzymic model for microsomal denitrosation of N-nitrosodimethylamine. <i>Chemical Research in Toxicology</i> , 1989, 2, 247-253. | 1.7 | 32 |
| 92 | Differential Binding Modes of Diacylglycerol (DAG) and DAG Lactones to Protein Kinase C (PK-C). <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1571-1579. | 2.9 | 32 |
| 93 | V-PROLI/NO, a Prodrug of the Nitric Oxide Donor, PROLI/NO. <i>Organic Letters</i> , 2007, 9, 3409-3412. | 2.4 | 32 |
| 94 | Preparation of Osmium Hydrazido Complexes by Interception of an Osmium(IV) Imido Intermediate. <i>Journal of the American Chemical Society</i> , 1994, 116, 3649-3650. | 6.6 | 31 |
| 95 | Conformationally Constrained Analogues of Diacylglycerol. 24. Asymmetric Synthesis of a Chiral (R)-DAG-Lactone Template as a Versatile Precursor for Highly Functionalized DAG-Lactones. <i>Organic Letters</i> , 2004, 6, 2413-2416. | 2.4 | 31 |
| 96 | Measuring Seven Endogenous Ketolic Estrogens Simultaneously in Human Urine by High-Performance Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 5829-5836. | 3.2 | 31 |
| 97 | Heightened efficacy of nitric oxide-based therapies in type II diabetes mellitus and metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2388-H2398. | 1.5 | 31 |
| 98 | JS-K has potent anti-angiogenic activity in vitro and inhibits tumour angiogenesis in a multiple myeloma model in vivo. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 145-151. | 1.2 | 31 |
| 99 | Diazoniumdiolated carbamates: A novel class of nitric oxide donors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2025-2029. | 1.4 | 31 |
| 100 | An Evaluation of the Roles of Metabolic Denitrosation and α -Hydroxylation in the Hepatotoxicity of N-Nitrosodimethylamine. <i>Chemical Research in Toxicology</i> , 1996, 9, 1319-1324. | 1.7 | 30 |
| 101 | Deamination of Single-Stranded DNA Cytosine Residues in Aerobic Nitric Oxide Solution at Micromolar Total NO Exposures. <i>Chemical Research in Toxicology</i> , 1996, 9, 891-896. | 1.7 | 30 |
| 102 | Reaction of Nitric Oxide at the α -Carbon of Enamines. A New Method of Preparing Compounds Containing the Diazoniumdiolate Functional Group. <i>Journal of Organic Chemistry</i> , 2000, 65, 5745-5751. | 1.7 | 30 |
| 103 | JS-K, an arylating nitric oxide (NO) donor, has synergistic anti-leukemic activity with cytarabine (ARA-C). <i>Leukemia Research</i> , 2009, 33, 1525-1529. | 0.4 | 30 |
| 104 | Comparison between 3-Nitrooxyphenyl acetylsalicylate (NO-ASA) and O ² -(acetylsalicyloxymethyl)-1-(pyrrolidin-1-yl)diazene-1,2-diolate (NONO-ASA) as Safe Anti-Inflammatory, Analgesic, Antipyretic, Antioxidant Prodrugs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 443-450. | 1.3 | 30 |
| 105 | Comparison of responses to novel nitric oxide donors in the feline pulmonary vascular bed. <i>European Journal of Pharmacology</i> , 2001, 430, 311-315. | 1.7 | 29 |
| 106 | Synthesis, nitric oxide release, and anti-leukemic activity of glutathione-activated nitric oxide prodrugs: Structural analogues of PABA/NO, an anti-cancer lead compound. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 2657-2664. | 1.4 | 29 |
| 107 | Poly(diol citrate)s as Novel Elastomeric Perivascular Wraps for the Reduction of Neointimal Hyperplasia. <i>Macromolecular Bioscience</i> , 2011, 11, 700-709. | 2.1 | 29 |
| 108 | Nitric Oxide/Nucleophile Complexes. <i>Journal of Cardiovascular Pharmacology</i> , 1993, 22, S3-9. | 0.8 | 28 |

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|-----|---|-----|-----------|
| 109 | Histogenesis and the role of p53 and K-ras mutations in hepatocarcinogenesis by glyceryl trinitrate (nitroglycerin) in male F344 rats. <i>Carcinogenesis</i> , 1996, 17, 2477-2486. | 1.3 | 28 |
| 110 | Stable isotope dilution high-performance liquid chromatography-electrospray ionization mass spectrometry method for endogenous 2- and 4-hydroxyestrones in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 780, 315-330. | 1.2 | 28 |
| 111 | Nitrite-induced mutations in a forward mutation assay: Influence of nitrite concentration and pH. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1994, 322, 341-346. | 1.2 | 27 |
| 112 | Diazeniumdiolate Ions as Leaving Groups in Anomeric Displacement Reactions: A Protection-Deprotection Strategy for Ionic Diazeniumdiolates. <i>Journal of the American Chemical Society</i> , 2005, 127, 14188-14189. | 6.6 | 27 |
| 113 | Assay Reproducibility and Interindividual Variation for 15 Serum Estrogens and Estrogen Metabolites Measured by Liquid Chromatography-Tandem Mass Spectrometry. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 2649-2657. | 1.1 | 27 |
| 114 | Conversion of Proteins to Diazeniumdiolate-Based Nitric Oxide Donors. <i>Bioconjugate Chemistry</i> , 1999, 10, 838-842. | 1.8 | 26 |
| 115 | An Optimized Protein Kinase C Activating Diacylglycerol Combining High Binding Affinity (K _i) with Reduced Lipophilicity (log P). <i>Journal of Medicinal Chemistry</i> , 2001, 44, 1892-1904. | 2.9 | 26 |
| 116 | Tailored synthesis of nitric oxide-releasing polyurethanes using O ₂ -protected diazeniumdiolated chain extenders. <i>Journal of Materials Chemistry</i> , 2010, 20, 3107. | 6.7 | 26 |
| 117 | JS-K, a nitric oxide-releasing prodrug, induces breast cancer cell death while sparing normal mammary epithelial cells. <i>International Journal of Oncology</i> , 2011, 38, 963-71. | 1.4 | 26 |
| 118 | Selective Induction of Intestinal Tumors in Rats by Methyl(acetoxymethyl)nitrosamine, an Ester of the Presumed Reactive Metabolite of Dimethylnitrosamine ₂ . <i>Journal of the National Cancer Institute</i> , 1977, 58, 1531-1535. | 3.0 | 24 |
| 119 | Notes. Reductive destruction of hydrazines as an approach to hazard control. <i>Environmental Science & Technology</i> , 1983, 17, 240-243. | 4.6 | 24 |
| 120 | Rapid formation of a potent nitrosating agent by solvolysis of ionic nitrite in dichloromethane. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 955. | 2.0 | 24 |
| 121 | Pathophysiology of a Sickle Cell Trait Mouse Model: Human β^S Transgenes with One Mouse β^2 -Globin Allele. <i>Blood Cells, Molecules, and Diseases</i> , 2001, 27, 971-977. | 0.6 | 24 |
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