

Evan D Kharasch

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

4,282
citations

81900

39
h-index

123424

61
g-index

115
all docs

115
docs citations

115
times ranked

4040
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Authorship and Publication Matters: Reply. <i>Anesthesiology</i> , 2022, 136, 245-245. | 2.5 | 0 |
| 2 | Opioids and Public Health: The Prescription Opioid Ecosystem and Need for Improved Management. <i>Anesthesiology</i> , 2022, 136, 10-30. | 2.5 | 31 |
| 3 | Anesthetic MAC: Origin, Utility, and Nomenclature Revisited. <i>Anesthesiology</i> , 2022, 136, 885-887. | 2.5 | 0 |
| 4 | Methadone pharmacogenetics in vitro and in vivo: Metabolism by CYP2B6 polymorphic variants and genetic variability in pediatric disposition. <i>British Journal of Clinical Pharmacology</i> , 2022, , . | 2.4 | 1 |
| 5 | Plasma and cerebrospinal fluid pharmacokinetics of ondansetron in humans. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 516-526. | 2.4 | 4 |
| 6 | Opioid-free Anesthesia: Time to Regain Our Balance. <i>Anesthesiology</i> , 2021, 134, 509-514. | 2.5 | 37 |
| 7 | Gold Nanorod Size-Dependent Fluorescence Enhancement for Ultrasensitive Fluoroimmunoassays. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11414-11423. | 8.0 | 29 |
| 8 | Clinical Pharmacogenetics Implementation Consortium Guideline for <i>CYP2D6</i> , <i>OPRM1</i> , and <i>COMT</i> Genotypes and Select Opioid Therapy. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 110, 888-896. | 4.7 | 212 |
| 9 | Opioid-free Anesthesia: Reply. <i>Anesthesiology</i> , 2021, 135, 759-760. | 2.5 | 2 |
| 10 | Anesthesiology: Reflecting and Leading. <i>Anesthesiology</i> , 2021, 135, 551-554. | 2.5 | 1 |
| 11 | Peer Review Matters: Research Quality and the Public Trust. <i>Anesthesiology</i> , 2021, 134, 1-6. | 2.5 | 36 |
| 12 | Comment on "Postoperative Opioid Prescribing and Pain". <i>Annals of Surgery</i> , 2020, 271, e125. | 4.2 | 1 |
| 13 | Innovation in Clinical Research Regulation. <i>Anesthesiology</i> , 2020, 132, 1-4. | 2.5 | 0 |
| 14 | Stereoselective Steady-State Disposition and Bioequivalence of Brand and Generic Bupropion in Adults. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 1036-1048. | 4.7 | 2 |
| 15 | The metabotropic glutamate receptor 5 negative allosteric modulator fenobam: pharmacokinetics, side effects, and analgesic effects in healthy human subjects. <i>Pain</i> , 2020, 161, 135-146. | 4.2 | 10 |
| 16 | Stereoselective Bupropion Hydroxylation by Cytochrome P450 CYP2B6 and Cytochrome P450 Oxidoreductase Genetic Variants. <i>Drug Metabolism and Disposition</i> , 2020, 48, 438-445. | 3.3 | 13 |
| 17 | Toward precision prescribing for methadone: Determinants of methadone deposition. <i>PLoS ONE</i> , 2020, 15, e0231467. | 2.5 | 14 |
| 18 | Rational Perioperative Opioid Management in the Era of the Opioid Crisis. <i>Anesthesiology</i> , 2020, 132, 603-605. | 2.5 | 34 |

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|----|---|-----|-----------|
| 19 | Persistent Postoperative Opioid Use. <i>Anesthesiology</i> , 2020, 132, 1304-1306. | 2.5 | 11 |
| 20 | Novel Coronavirus 2019 and <i>Anesthesiology</i> . <i>Anesthesiology</i> , 2020, 132, 1289-1291. | 2.5 | 10 |
| 21 | Uncertainty and Certainty. <i>Anesthesiology</i> , 2020, 133, 1-4. | 2.5 | 6 |
| 22 | Perioperative Gabapentinoids. <i>Anesthesiology</i> , 2020, 133, 251-254. | 2.5 | 48 |
| 23 | Common Polymorphisms of CYP2B6 Influence Stereoselective Bupropion Disposition. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 105, 142-152. | 4.7 | 17 |
| 24 | Bioplasmonic paper-based assay for perilipin-2 non-invasively detects renal cancer. <i>Kidney International</i> , 2019, 96, 1417-1421. | 5.2 | 16 |
| 25 | Low-dose augmentation with buprenorphine increases emotional reactivity but not reward activity in treatment resistant mid- and late-life depression. <i>NeuroImage: Clinical</i> , 2019, 21, 101679. | 2.7 | 11 |
| 26 | Methadone Disposition: Implementing Lessons Learned. <i>Journal of Clinical Pharmacology</i> , 2019, 59, 1044-1048. | 2.0 | 14 |
| 27 | Strain-specific altered nicotine metabolism in 3,3'-diindolylmethane (DIM) exposed mice. <i>Biopharmaceutics and Drug Disposition</i> , 2019, 40, 188-194. | 1.9 | 2 |
| 28 | Nicotine oxidation by genetic variants of CYP2B6 and in human brain microsomes. <i>Pharmacology Research and Perspectives</i> , 2019, 7, e00468. | 2.4 | 17 |
| 29 | Understanding Research Methods and the Readers' Toolbox: A New Article Type. <i>Anesthesiology</i> , 2019, 130, 181-182. | 2.5 | 2 |
| 30 | Efavirenz Metabolism: Influence of Polymorphic CYP2B6 Variants and Stereochemistry. <i>Drug Metabolism and Disposition</i> , 2019, 47, 1195-1205. | 3.3 | 28 |
| 31 | Trusted Evidence: Discovery to Practice. <i>Anesthesiology</i> , 2019, 130, 1-2. | 2.5 | 2 |
| 32 | Observations and Observational Research. <i>Anesthesiology</i> , 2019, 131, 1-4. | 2.5 | 9 |
| 33 | Halogen Substitution Influences Ketamine Metabolism by Cytochrome P450 2B6: In Vitro and Computational Approaches. <i>Molecular Pharmaceutics</i> , 2019, 16, 898-906. | 4.6 | 30 |
| 34 | Bioequivalence and Therapeutic Equivalence of Generic and Brand Bupropion in Adults With Major Depression: A Randomized Clinical Trial. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 105, 1164-1174. | 4.7 | 10 |
| 35 | The Challenges of Translation. <i>Anesthesiology</i> , 2018, 128, 693-696. | 2.5 | 14 |
| 36 | Ultrarobust Biochips with Metal-Organic Framework Coating for Point-of-Care Diagnosis. <i>ACS Sensors</i> , 2018, 3, 342-351. | 7.8 | 29 |

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|----|--|------|-----------|
| 37 | How central is central poststroke pain? The role of afferent input in poststroke neuropathic pain: a prospective, open-label pilot study. <i>Pain</i> , 2018, 159, 1317-1324. | 4.2 | 40 |
| 38 | Stereoselective Ketamine Metabolism by Genetic Variants of Cytochrome P450 CYP2B6 and Cytochrome P450 Oxidoreductase. <i>Anesthesiology</i> , 2018, 129, 756-768. | 2.5 | 18 |
| 39 | Editorâ€™s Note: <i>Anesthesiology</i> 2018. <i>Anesthesiology</i> , 2018, 129, 1-4. | 2.5 | 4 |
| 40 | Journal-related Activities and Other Special Activities at the 2018 American Society of Anesthesiologists Meeting. <i>Anesthesiology</i> , 2018, 129, 634-643. | 2.5 | 0 |
| 41 | Metalâ€™Organic Framework Encapsulation Preserves the Bioactivity of Protein Therapeutics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800950. | 7.6 | 61 |
| 42 | Add-on plasmonic patch as a universal fluorescence enhancer. <i>Light: Science and Applications</i> , 2018, 7, 29. | 16.6 | 58 |
| 43 | Current Concepts in Methadone Metabolism and Transport. <i>Clinical Pharmacology in Drug Development</i> , 2017, 6, 125-134. | 1.6 | 67 |
| 44 | Amplification of Refractometric Biosensor Response through Biomineralization of Metalâ€™Organic Framework Nanocrystals. <i>Advanced Materials Technologies</i> , 2017, 2, 1700023. | 5.8 | 6 |
| 45 | Single Molecule Force Spectroscopy to Compare Natural versus Artificial Antibodyâ€™Antigen Interaction. <i>Small</i> , 2017, 13, 1604255. | 10.0 | 21 |
| 46 | Metalâ€™Organic Framework as a Protective Coating for Biodiagnostic Chips. <i>Advanced Materials</i> , 2017, 29, 1604433. | 21.0 | 56 |
| 47 | Errors and Integrity in Seeking and Reporting Apparent Research Misconduct. <i>Anesthesiology</i> , 2017, 127, 733-737. | 2.5 | 14 |
| 48 | Rapid, Pointâ€™ofâ€™Care, Paperâ€™Based Plasmonic Biosensor for Zika Virus Diagnosis. <i>Advanced Biology</i> , 2017, 1, e1700096. | 3.0 | 36 |
| 49 | Editorâ€™s Note: <i>Anesthesiology</i> 2017. <i>Anesthesiology</i> , 2017, 127, 1-2. | 2.5 | 3 |
| 50 | Reply to comment on: Pharmacokinetics and analgesic effects of methadone in children and adults with sickle cell disease. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26343. | 1.5 | 0 |
| 51 | Changes. <i>Anesthesiology</i> , 2016, 125, 4-6. | 2.5 | 6 |
| 52 | Wherefore Gabapentinoids?. <i>Anesthesiology</i> , 2016, 124, 10-12. | 2.5 | 21 |
| 53 | Changes. <i>Anesthesiology</i> , 2016, 125, 1-3. | 2.5 | 1 |
| 54 | Perioperative Opioids and Public Health. <i>Anesthesiology</i> , 2016, 124, 960-965. | 2.5 | 108 |

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|----|---|------|-----------|
| 55 | Misidentification of Bupropion Glucuronide Metabolites and Re-evaluation of Metabolite Pharmacokinetics. <i>Drug Metabolism and Disposition</i> , 2016, 44, 1851-1851. | 3.3 | 1 |
| 56 | PEGylated Artificial Antibodies: Plasmonic Biosensors with Improved Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23509-23516. | 8.0 | 40 |
| 57 | Pharmacokinetics and analgesic effects of methadone in children and adults with sickle cell disease. <i>Pediatric Blood and Cancer</i> , 2016, 63, 2123-2130. | 1.5 | 19 |
| 58 | Role of Cytochrome P4502B6 Polymorphisms in Ketamine Metabolism and Clearance. <i>Anesthesiology</i> , 2016, 125, 1103-1112. | 2.5 | 46 |
| 59 | Development, validation and application of a comprehensive stereoselective LC/MS-MS assay for bupropion and oxidative, reductive, and glucuronide metabolites in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1027, 239-253. | 2.3 | 13 |
| 60 | Development and validation of a high-throughput stereoselective LC-MS/MS assay for bupropion, hydroxybupropion, erythrohydrobupropion, and threohydrobupropion in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1017-1018, 101-113. | 2.3 | 19 |
| 61 | Opioid Half-lives and Hemlines. <i>Anesthesiology</i> , 2015, 122, 969-970. | 2.5 | 17 |
| 62 | Steroid Anesthesia Revisited. <i>Anesthesia and Analgesia</i> , 2015, 120, 983-984. | 2.2 | 10 |
| 63 | Methadone Pharmacogenetics. <i>Anesthesiology</i> , 2015, 123, 1142-1153. | 2.5 | 111 |
| 64 | Bio-enabled Gold Superstructures with Built-in and Accessible Electromagnetic Hotspots. <i>Advanced Healthcare Materials</i> , 2015, 4, 1502-1509. | 7.6 | 21 |
| 65 | Influence of HIV antiretrovirals on methadone N-demethylation and transport. <i>Biochemical Pharmacology</i> , 2015, 95, 115-125. | 4.4 | 15 |
| 66 | Evaluation of Urine Aquaporin-1 and Perilipin-2 Concentrations as Biomarkers to Screen for Renal Cell Carcinoma. <i>JAMA Oncology</i> , 2015, 1, 204. | 7.1 | 86 |
| 67 | Urine Aquaporin 1 and Perilipin 2 Differentiate Renal Carcinomas From Other Imaged Renal Masses and Bladder and Prostate Cancer. <i>Mayo Clinic Proceedings</i> , 2015, 90, 35-42. | 3.0 | 64 |
| 68 | Differences in Methadone Metabolism by CYP2B6 Variants. <i>Drug Metabolism and Disposition</i> , 2015, 43, 994-1001. | 3.3 | 56 |
| 69 | Effect of HAART on Brain Organization and Function in HIV-Negative Subjects. <i>Journal of Neuroimmune Pharmacology</i> , 2015, 10, 517-521. | 4.1 | 15 |
| 70 | Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. <i>Scientific Reports</i> , 2015, 5, 16206. | 3.3 | 82 |
| 71 | Peptide Functionalized Gold Nanorods for the Sensitive Detection of a Cardiac Biomarker Using Plasmonic Paper Devices. <i>Scientific Reports</i> , 2015, 5, . | 3.3 | 15 |
| 72 | Bioplasmonic calligraphy for multiplexed label-free biodetection. <i>Biosensors and Bioelectronics</i> , 2014, 59, 208-215. | 10.1 | 26 |

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|----|--|-----|-----------|
| 73 | Investigating the contribution of CYP2J2 to ritonavir metabolism in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2014, 91, 109-118. | 4.4 | 38 |
| 74 | Automated radiochemical synthesis and biodistribution of [¹¹ C]-l- \pm -acetylmethadol ([¹¹ C]LAAM). <i>Applied Radiation and Isotopes</i> , 2014, 91, 135-140. | 1.5 | 4 |
| 75 | Characterizing the abuse potential of loperamide via physiologically-based pharmacokinetic/pharmacodynamic modeling and simulation (1053.6). <i>FASEB Journal</i> , 2014, 28, 1053.6. | 0.5 | 1 |
| 76 | Methadone N-Demethylation by the Common CYP2B6 Allelic Variant CYP2B6.6. <i>Drug Metabolism and Disposition</i> , 2013, 41, 709-713. | 3.3 | 42 |
| 77 | Role of Cytochrome P4502B6 in Methadone Metabolism and Clearance. <i>Journal of Clinical Pharmacology</i> , 2013, 53, 305-313. | 2.0 | 62 |
| 78 | Cytochrome P4503A Does Not Mediate the Interaction between Methadone and Ritonavir-Lopinavir. <i>Drug Metabolism and Disposition</i> , 2013, 41, 2166-2174. | 3.3 | 21 |
| 79 | Sleeping to Survive?. <i>Anesthesiology</i> , 2013, 119, 755-756. | 2.5 | 3 |
| 80 | Lack of Indinavir Effects on Methadone Disposition Despite Inhibition of Hepatic and Intestinal Cytochrome P4503A (CYP3A). <i>Anesthesiology</i> , 2012, 116, 432-447. | 2.5 | 35 |
| 81 | Perioperative Pharmacokinetics of Methadone in Adolescents. <i>Anesthesiology</i> , 2011, 115, 1153-1161. | 2.5 | 51 |
| 82 | Effect of Rifampicin on S-ketamine and S-norketamine Plasma Concentrations in Healthy Volunteers after Intravenous S-ketamine Administration. <i>Anesthesiology</i> , 2011, 114, 1435-1445. | 2.5 | 44 |
| 83 | Intraoperative Methadone. <i>Anesthesia and Analgesia</i> , 2011, 112, 13-16. | 2.2 | 95 |
| 84 | The Metabotropic Glutamate Receptor Subtype 5 Antagonist Fenobam Is Analgesic and Has Improved in Vivo Selectivity Compared with the Prototypical Antagonist 2-Methyl-6-(phenylethynyl)-pyridine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 330, 834-843. | 2.5 | 69 |
| 85 | Methadone Pharmacokinetics Are Independent of Cytochrome P4503A (CYP3A) Activity and Gastrointestinal Drug Transport. <i>Anesthesiology</i> , 2009, 110, 660-672. | 2.5 | 77 |
| 86 | Methadone metabolism and clearance are induced by nelfinavir despite inhibition of cytochrome P4503A (CYP3A) activity. <i>Drug and Alcohol Dependence</i> , 2009, 101, 158-168. | 3.2 | 67 |
| 87 | Stereoselective Metabolism of Bupropion by Cytochrome P4502B6 (CYP2B6) and Human Liver Microsomes. <i>Pharmaceutical Research</i> , 2008, 25, 1405-1411. | 3.5 | 46 |
| 88 | Mutations in a Molecule: The Virtues of Antagonism. <i>Mayo Clinic Proceedings</i> , 2008, 83, 1083-1086. | 3.0 | 0 |
| 89 | Rapid Clinical Induction of Hepatic Cytochrome P4502B6 Activity by Ritonavir. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1663-1669. | 3.2 | 78 |
| 90 | Stereoselective Bupropion Hydroxylation as an In Vivo Phenotypic Probe for Cytochrome P4502B6 (CYP2B6) Activity. <i>Journal of Clinical Pharmacology</i> , 2008, 48, 464-474. | 2.0 | 60 |

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|-----|---|-----|-----------|
| 91 | Molecular Characterization of CYP2B6 Substrates. <i>Current Drug Metabolism</i> , 2008, 9, 363-373. | 1.2 | 46 |
| 92 | Role of CYP2B6 in Stereoselective Human Methadone Metabolism. <i>Anesthesiology</i> , 2008, 108, 363-374. | 2.5 | 174 |
| 93 | Enantiomeric Metabolic Interactions and Stereoselective Human Methadone Metabolism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 389-399. | 2.5 | 102 |
| 94 | Stereoselective analysis of bupropion and hydroxybupropion in human plasma and urine by LC/MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 857, 67-75. | 2.3 | 82 |
| 95 | New Insights into the Mechanism of Methoxyflurane Nephrotoxicity and Implications for Anesthetic Development (Part 1). <i>Anesthesiology</i> , 2006, 105, 726-736. | 2.5 | 20 |
| 96 | New Insights into the Mechanism of Methoxyflurane Nephrotoxicity and Implications for Anesthetic Development (Part 2). <i>Anesthesiology</i> , 2006, 105, 737-745. | 2.5 | 24 |
| 97 | Gene Expression Profiling of Nephrotoxicity from the Sevoflurane Degradation Product Fluoromethyl-2,2-difluoro-1-(trifluoromethyl)vinyl Ether (Compound A) in Rats. <i>Toxicological Sciences</i> , 2006, 90, 419-431. | 3.1 | 61 |
| 98 | Sensitivity of Intravenous and Oral Alfentanil and Pupillary Miosis as Minimally Invasive and Noninvasive Probes for Hepatic and First-Pass CYP3A Activity. <i>Journal of Clinical Pharmacology</i> , 2005, 45, 1187-1197. | 2.0 | 24 |
| 99 | Influence of Sevoflurane on the Metabolism and Renal Effects of Compound A in Rats. <i>Anesthesiology</i> , 2005, 103, 1183-1188. | 2.5 | 28 |
| 100 | Paradoxical Role of Cytochrome P450 3A in the Bioactivation and Clinical Effects of Levo- α -Acetylmethadol. <i>Clinical Pharmacokinetics</i> , 2005, 44, 731-751. | 3.5 | 13 |
| 101 | Evaluation of First-Pass Cytochrome P4503A (CYP3A) and P-Glycoprotein Activities Using Alfentanil and Fexofenadine in Combination. <i>Journal of Clinical Pharmacology</i> , 2005, 45, 79-88. | 2.0 | 27 |
| 102 | Role of hepatic and intestinal cytochrome P450 3A and 2B6 in the metabolism, disposition, and miotic effects of methadone. <i>Clinical Pharmacology and Therapeutics</i> , 2004, 76, 250-269. | 4.7 | 213 |
| 103 | Intravenous and oral alfentanil as in vivo probes for hepatic and first-pass cytochrome P450 3A activity: Noninvasive assessment by use of pupillary miosis. <i>Clinical Pharmacology and Therapeutics</i> , 2004, 76, 452-466. | 4.7 | 107 |
| 104 | Perioperative COX-2 Inhibitors: Knowledge and Challenges. <i>Anesthesia and Analgesia</i> , 2004, 98, 1-3. | 2.2 | 15 |
| 105 | Quinidine as a Probe for the Role of P-Glycoprotein in the Intestinal Absorption and Clinical Effects of Fentanyl. <i>Journal of Clinical Pharmacology</i> , 2004, 44, 224-233. | 2.0 | 72 |
| 106 | Influence of Age on the Pharmacokinetics and Pharmacodynamics of Oral Transmucosal Fentanyl Citrate. <i>Anesthesiology</i> , 2004, 101, 738-743. | 2.5 | 48 |
| 107 | Influence of Hepatic and Intestinal Cytochrome P4503A Activity on the Acute Disposition and Effects of Oral Transmucosal Fentanyl Citrate. <i>Anesthesiology</i> , 2004, 101, 729-737. | 2.5 | 60 |
| 108 | Disposition and miotic effects of oral alfentanil: A potential noninvasive probe for first-pass cytochrome P4503A activity. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 73, 199-208. | 4.7 | 26 |

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|-----|--|-----|-----------|
| 109 | Role of P-glycoprotein in the intestinal absorption and clinical effects of morphine. <i>Clinical Pharmacology and Therapeutics</i> , 2003, 74, 543-554. | 4.7 | 137 |
| 110 | Comparison of Amsorb [®] , Sodalime, and Baralyme [®] Degradation of Volatile Anesthetics and Formation of Carbon Monoxide and Compound A in Swine In Vivo. <i>Anesthesiology</i> , 2002, 96, 173-182. | 2.5 | 67 |
| 111 | Intraindividual Variability in Male Hepatic CYP3A4 Activity Assessed by Alfentanil and Midazolam Clearance. <i>Journal of Clinical Pharmacology</i> , 1999, 39, 664-669. | 2.0 | 49 |
| 112 | Single-dose disulfiram does not inhibit CYP2A6 activity*. <i>Clinical Pharmacology and Therapeutics</i> , 1998, 64, 39-45. | 4.7 | 22 |
| 113 | Does Ketamine-Mediated N-methyl-D-aspartate Receptor Antagonism Cause Schizophrenia-like Oculomotor Abnormalities?. <i>Neuropsychopharmacology</i> , 1998, 19, 434-444. | 5.4 | 79 |
| 114 | Single-dose disulfiram inhibition of chlorzoxazone metabolism: A clinical probe for P450 2E1. <i>Clinical Pharmacology and Therapeutics</i> , 1993, 53, 643-650. | 4.7 | 114 |