# Richard T Eastman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8894957/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 44 papers | 3,638 citations | 201674 27 h-index | 233421 45 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 5810 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Remdesivir: A Review of Its Discovery and Development Leading to Emergency Use Authorization for Treatment of COVID-19. ACS Central Science, 2020, 6, 672-683. | 11.3 | 684 |
| 2 | Artemisinin-based combination therapies: a vital tool in efforts to eliminate malaria. Nature Reviews Microbiology, 2009, 7, 864-874. | 28.6 | 440 |
| 3 | Quantitative assessment of Plasmodium falciparum sexual development reveals potent transmission-blocking activity by methylene blue. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1214-23. | 7.1 | 293 |
| 4 | Drugâ€resistant malaria: Molecular mechanisms and implications for public health. FEBS Letters, 2011, 585, 1551-1562. | 2.8 | 222 |
| 5 | Protein farnesyl and N-myristoyl transferases: piggy-back medicinal chemistry targets for the development of antitrypanosomatid and antimalarial therapeutics. Molecular and Biochemical Parasitology, 2003, 126, 155-163. | 1.1 | 126 |
| 6 | Supergenomic Network Compression and the Discovery of EXP1 as a Glutathione Transferase Inhibited by Artesunate. Cell, 2014, 158, 916-928. | 28.9 | 113 |
| 7 | Thematic review series: Lipid Posttranslational Modifications. Fighting parasitic disease by blocking protein farnesylation. Journal of Lipid Research, 2006, 47, 233-240. | 4.2 | 104 |
| 8 | Piperaquine Resistance Is Associated with a Copy Number Variation on Chromosome 5 in Drug-Pressured Plasmodium falciparum Parasites. Antimicrobial Agents and Chemotherapy, 2011, 55, 3908-3916. | 3.2 | 102 |
| 9 | High-throughput matrix screening identifies synergistic and antagonistic antimalarial drug combinations. Scientific Reports, 2015, 5, 13891. | 3.3 | 92 |
| 10 | Deep learning identifies synergistic drug combinations for treating COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 87 |
| 11 | A Specific Inhibitor of PfCDPK4 Blocks Malaria Transmission: Chemical-genetic Validation. Journal of Infectious Diseases, 2014, 209, 275-284. | 4.0 | 83 |
| 12 | Recent highlights in antimalarial drug resistance and chemotherapy research. Trends in Parasitology, 2008, 24, 537-544. | 3.3 | 80 |
| 13 | Synergistic and Antagonistic Drug Combinations against SARS-CoV-2. Molecular Therapy, 2021, 29, 873-885. | 8.2 | 78 |
| 14 | Trypanosoma cruzi Inactivation in Human Platelet Concentrates and Plasma by a Psoralen (Amotosalen) Tj ETQq0 0 0 rgBT /Overlock 10 | 3.2 | 77 |
| 15 | Drug Repurposing Screen for Compounds Inhibiting the Cytopathic Effect of SARS-CoV-2. Frontiers in Pharmacology, 2020, 11, 592737. | 3.5 | 69 |
| 16 | Resistance to a Protein Farnesyltransferase Inhibitor in Plasmodium falciparum. Journal of Biological Chemistry, 2005, 280, 13554-13559. | 3.4 | 66 |
| 17 | Targeting ACE2â€“RBD Interaction as a Platform for COVID-19 Therapeutics: Development and Drug-Repurposing Screen of an AlphaLISA Proximity Assay. ACS Pharmacology and Translational Science, 2020, 3, 1352-1360. | 4.9 | 60 |
| 18 | The Candida albicans Lanosterol 14-Î±-Demethylase ( ERG11 ) Gene Promoter Is Maximally Induced after Prolonged Growth with Antifungal Drugs. Antimicrobial Agents and Chemotherapy, 2004, 48, 1136-1144. | 3.2 | 56 |

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|---|---|---|---|
| 19 | Cloning, heterologous expression, and substrate specificities of protein farnesyltransferases from Trypanosoma cruzi and Leishmania major. Molecular and Biochemical Parasitology, 2002, 122, 181-188. | 1.1 | 53 |
| 20 | Design and Synthesis of Peptidomimetic Protein Farnesyltransferase Inhibitors as Anti-Trypanosoma brucei Agents. Journal of Medicinal Chemistry, 2004, 47, 432-445. | 6.4 | 49 |
| 21 | Genomeâ€wide profiling of chromosome interactions in <scp>P</scp>lasmodium falciparum characterizes nuclear architecture and reconfigurations associated with antigenic variation. Molecular Microbiology, 2013, 90, 519-537. | 2.5 | 48 |
| 22 | Artemisinin resistance phenotypes and K13 inheritance in a Plasmodium falciparum cross and Aotus model. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12513-12518. | 7.1 | 46 |
| 23 | Plasmodium vivax chloroquine resistance links to pvcrt transcription in a genetic cross. Nature Communications, 2019, 10, 4300. | 12.8 | 35 |
| 24 | Ex Vivo Susceptibility of Plasmodium falciparum to Antimalarial Drugs in Western, Northern, and Eastern Cambodia, 2011-2012: Association with Molecular Markers. Antimicrobial Agents and Chemotherapy, 2013, 57, 5277-5283. | 3.2 | 34 |
| 25 | Oxidosqualene Cyclase Inhibitors as Antimicrobial Agents. Journal of Medicinal Chemistry, 2003, 46, 4240-4243. | 6.4 | 33 |
| 26 | Protein farnesyl transferase inhibitors for the treatment of malaria and African trypanosomiasis. Current Opinion in Investigational Drugs, 2005, 6, 791-7. | 2.3 | 33 |
| 27 | A Class of Tricyclic Compounds Blocking Malaria Parasite Oocyst Development and Transmission. Antimicrobial Agents and Chemotherapy, 2013, 57, 425-435. | 3.2 | 32 |
| 28 | Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741. | 11.3 | 32 |
| 29 | Actinoramide A Identified as a Potent Antimalarial from Titration-Based Screening of Marine Natural Product Extracts. Journal of Natural Products, 2015, 78, 2411-2422. | 3.0 | 30 |
| 30 | Resistance mutations at the lipid substrate binding site of Plasmodium falciparum protein farnesyltransferase. Molecular and Biochemical Parasitology, 2007, 152, 66-71. | 1.1 | 28 |
| 31 | Using Machine Learning to Predict Synergistic Antimalarial Compound Combinations With Novel Structures. Frontiers in Pharmacology, 2018, 9, 1096. | 3.5 | 27 |
| 32 | Therapeutic candidates for the Zika virus identified by a high-throughput screen for Zika protease inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31365-31375. | 7.1 | 27 |
| 33 | C-terminal proteolysis of prenylated proteins in trypanosomatids and RNA interference of enzymes required for the post-translational processing pathway of farnesylated proteins. Molecular and Biochemical Parasitology, 2007, 153, 115-124. | 1.1 | 25 |
| 34 | New WS9326A Derivatives and One New Annimycin Derivative with Antimalarial Activity are Produced by Streptomyces asterosporus DSM 41452 and Its Mutant. ChemBioChem, 2018, 19, 272-279. | 2.6 | 25 |
| 35 | A systematic and prospectively validated approach for identifying synergistic drug combinations against malaria. Malaria Journal, 2018, 17, 160. | 2.3 | 19 |
| 36 | Cloning and analysis of Trypanosoma cruzi lanosterol 14Î±-demethylase. Molecular and Biochemical Parasitology, 2003, 132, 75-81. | 1.1 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | PfCRT and PfMDR1 modulate interactions of artemisinin derivatives and ion channel blockers. Scientific Reports, 2016, 6, 25379. | 3.3 | 15 |
| 38 | Application of niclosamide and analogs as small molecule inhibitors of Zika virus and SARS-CoV-2 infection. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127906. | 2.2 | 15 |
| 39 | Regulation of Plasmodium yoelii Oocyst Development by Strain- and Stage-Specific Small-Subunit rRNA. MBio, 2015, 6, e00117. | 4.1 | 11 |
| 40 | Identification and Profiling of a Novel Diazaspiro[3.4]octane Chemical Series Active against Multiple Stages of the Human Malaria Parasite Plasmodium falciparum and Optimization Efforts. Journal of Medicinal Chemistry, 2021, 64, 2291-2309. | 6.4 | 11 |
| 41 | Modulation of Triple Artemisinin-Based Combination Therapy Pharmacodynamics by Plasmodium falciparum Genotype. ACS Pharmacology and Translational Science, 2020, 3, 1144-1157. | 4.9 | 8 |
| 42 | A platform of assays for the discovery of anti-Zika small-molecules with activity in a 3D-bioprinted outer-blood-retina model. PLoS ONE, 2022, 17, e0261821. | 2.5 | 6 |
| 43 | Allosteric Binders of ACE2 Are Promising Anti-SARS-CoV-2 Agents. ACS Pharmacology and Translational Science, 2022, 5, 468-478. | 4.9 | 3 |
| 44 | Sulfamethoxazole Levels in HIV-Exposed Uninfected Ugandan Children. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1718-1721. | 1.4 | 1 |