

Aimee L Egger

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,150
citations

430874

18
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

2919
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Modifying specific cysteines of the electrophile-sensing human Keap1 protein is insufficient to disrupt binding to the Nrf2 domain Neh2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10070-10075. | 7.1 | 420 |
| 2 | Modification of Keap1 Cysteine Residues by Sulforaphane. <i>Chemical Research in Toxicology</i> , 2011, 24, 515-521. | 3.3 | 224 |
| 3 | Xanthohumol Isolated from <i>Humulus lupulus</i> Inhibits Menadione-Induced DNA Damage through Induction of Quinone Reductase. <i>Chemical Research in Toxicology</i> , 2005, 18, 1296-1305. | 3.3 | 183 |
| 4 | Discovery, Synthesis, And Structure-Based Optimization of a Series of <i>N</i> -tert-Butyl-2-(<i>N</i> -arylamido)-2-(pyridin-3-yl) Acetamides (ML188) as Potent Noncovalent Small Molecule Inhibitors of the Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV) 3CL Protease. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 534-546. | 6.4 | 178 |
| 5 | Sites of alkylation of human Keap1 by natural chemoprevention agents. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 2226-2232. | 2.8 | 161 |
| 6 | Cul3-mediated Nrf2 ubiquitination and antioxidant response element (ARE) activation are dependent on the partial molar volume at position 151 of Keap1. <i>Biochemical Journal</i> , 2009, 422, 171-180. | 3.7 | 141 |
| 7 | Molecular mechanisms of natural products in chemoprevention: Induction of cytoprotective enzymes by Nrf2. <i>Molecular Nutrition and Food Research</i> , 2008, 52 Suppl 1, S84-94. | 3.3 | 117 |
| 8 | respiratory syndrome coronavirus (SARS-CoV) 3CLpro inhibitors: Identification of ML300 and noncovalent nanomolar inhibitors with an induced-fit binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6172-6177. | 2.2 | 113 |
| 9 | The C Terminus of the <i>Escherichia coli</i> RecA Protein Modulates the DNA Binding Competition with Single-stranded DNA-binding Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 16389-16396. | 3.4 | 90 |
| 10 | Prospective Type 1 and Type 2 Disulfides of Keap1 Protein. <i>Chemical Research in Toxicology</i> , 2008, 21, 2051-2060. | 3.3 | 81 |
| 11 | The Rad51-dependent Pairing of Long DNA Substrates Is Stabilized by Replication Protein A. <i>Journal of Biological Chemistry</i> , 2002, 277, 39280-39288. | 3.4 | 79 |
| 12 | Identification of the Highly Reactive Cysteine 151 in the Chemopreventive Agent-Sensor Keap1 Protein is Method-Dependent. <i>Chemical Research in Toxicology</i> , 2007, 20, 1878-1884. | 3.3 | 75 |
| 13 | Screening Method for the Discovery of Potential Cancer Chemoprevention Agents Based on Mass Spectrometric Detection of Alkylated Keap1. <i>Analytical Chemistry</i> , 2005, 77, 6407-6414. | 6.5 | 56 |
| 14 | DNA Pairing and Strand Exchange by the <i>Escherichia coli</i> RecA and Yeast Rad51 Proteins without ATP Hydrolysis. <i>Journal of Biological Chemistry</i> , 2001, 276, 38570-38581. | 3.4 | 54 |
| 15 | Comparison of human Nrf2 antibodies: A tale of two proteins. <i>Toxicology Letters</i> , 2015, 238, 83-89. | 0.8 | 40 |
| 16 | Insecticidal Activity of Cyanohydrin and Monoterpenoid Compounds. <i>Molecules</i> , 2000, 5, 648-654. | 3.8 | 31 |
| 17 | Chemical and Biological Mechanisms of Phytochemical Activation of NRF2 and Importance in Disease Prevention. , 2013, 43, 121-155. | | 27 |
| 18 | Kinetic assessment of Michael addition reactions of alpha, beta-unsaturated carbonyl compounds to amino acid and protein thiols. <i>Free Radical Biology and Medicine</i> , 2021, 169, 1-11. | 2.9 | 24 |

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|----|--|-----|-----------|
| 19 | Screening for natural chemoprevention agents that modify human Keap1. <i>Analytical Biochemistry</i> , 2012, 421, 108-114. | 2.4 | 19 |
| 20 | Development of an efficient E. coli expression and purification system for a catalytically active, human Cullin3-RINGBox1 protein complex and elucidation of its quaternary structure with Keap1. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 471-475. | 2.1 | 16 |
| 21 | Dr. Jekyll and Mr. Hyde: Oxidizable phenol-generated reactive oxygen species enhance sulforaphane's antioxidant response element activation, even as they suppress Nrf2 protein accumulation. <i>Free Radical Biology and Medicine</i> , 2018, 124, 532-540. | 2.9 | 10 |
| 22 | The structures of T87I phosphono-CheY and T87I/Y106W phosphono-CheY help to explain their binding affinities to the FliM and CheZ peptides. <i>Archives of Biochemistry and Biophysics</i> , 2008, 479, 105-113. | 3.0 | 6 |
| 23 | Solving the Problem of Assessing Synergy and Antagonism for Non-Traditional Dosing Curve Compounds Using the DE/ZI Method: Application to Nrf2 Activators. <i>Frontiers in Pharmacology</i> , 2021, 12, 686201. | 3.5 | 4 |