

Astrid M Roy-Engel

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,918
citations

331670

21
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

2269
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Somatic expression of LINE-1 elements in human tissues. <i>Nucleic Acids Research</i> , 2010, 38, 3909-3922. | 14.5 | 206 |
| 2 | All you™all need to know about retroelements in cancer. <i>Seminars in Cancer Biology</i> , 2010, 20, 200-210. | 9.6 | 166 |
| 3 | Large-scale analysis of the Alu Ya5 and Yb8 subfamilies and their contribution to human genomic diversity. <i>Journal of Molecular Biology</i> , 2001, 311, 17-40. | 4.2 | 152 |
| 4 | Active Alu Element A-Tails Size Does Matter. <i>Genome Research</i> , 2002, 12, 1333-1344. | 5.5 | 127 |
| 5 | Alu Insertion Polymorphisms for the Study of Human Genomic Diversity. <i>Genetics</i> , 2001, 159, 279-290. | 2.9 | 127 |
| 6 | LINE dancing in the human genome: transposable elements and disease. <i>Genome Medicine</i> , 2009, 1, 97. | 8.2 | 118 |
| 7 | Heavy Metal Exposure Influences Double Strand Break DNA Repair Outcomes. <i>PLoS ONE</i> , 2016, 11, e0151367. | 2.5 | 107 |
| 8 | Alu elements: an intrinsic source of human genome instability. <i>Current Opinion in Virology</i> , 2013, 3, 639-645. | 5.4 | 95 |
| 9 | ERCC1/XPF limits L1 retrotransposition. <i>DNA Repair</i> , 2008, 7, 983-989. | 2.8 | 90 |
| 10 | LINE-1 ORF1 protein enhances Alu SINE retrotransposition. <i>Gene</i> , 2008, 419, 1-6. | 2.2 | 84 |
| 11 | Diverse cis factors controlling Alu retrotransposition: What causes Alu elements to die?. <i>Genome Research</i> , 2009, 19, 545-555. | 5.5 | 70 |
| 12 | The RNA Polymerase Dictates ORF1 Requirement and Timing of LINE and SINE Retrotransposition. <i>PLoS Genetics</i> , 2009, 5, e1000458. | 3.5 | 65 |
| 13 | Shared Protein Components of SINE RNPs. <i>Journal of Molecular Biology</i> , 2002, 321, 423-432. | 4.2 | 61 |
| 14 | Nickel Stimulates L1 Retrotransposition by a Post-transcriptional Mechanism. <i>Journal of Molecular Biology</i> , 2005, 354, 246-257. | 4.2 | 59 |
| 15 | Heavy Metals Stimulate Human LINE-1 Retrotransposition. <i>International Journal of Environmental Research and Public Health</i> , 2005, 2, 14-23. | 2.6 | 53 |
| 16 | LINEs, SINEs and other retroelements: do birds of a feather flock together?. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1345. | 3.0 | 40 |
| 17 | Evolutionary Conservation of the Functional Modularity of Primate and Murine LINE-1 Elements. <i>PLoS ONE</i> , 2011, 6, e19672. | 2.5 | 35 |
| 18 | Rescuing Alu: Recovery of New Inserts Shows LINE-1 Preserves Alu Activity through A-Tail Expansion. <i>PLoS Genetics</i> , 2012, 8, e1002842. | 3.5 | 33 |

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|----|--|-----|-----------|
| 19 | The Nucleotide Excision Repair Pathway Limits L1 Retrotransposition. <i>Genetics</i> , 2017, 205, 139-153. | 2.9 | 31 |
| 20 | Effects of Corexit Dispersants on Cytotoxicity Parameters in a Cultured Human Bronchial Airway Cells, BEAS-2B. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 827-835. | 2.3 | 23 |
| 21 | Potential for Retroposition by Old Alu Subfamilies. <i>Journal of Molecular Evolution</i> , 2003, 56, 658-664. | 1.8 | 22 |
| 22 | Alu expression in human cell lines and their retrotranspositional potential. <i>Mobile DNA</i> , 2012, 3, 11. | 3.6 | 21 |
| 23 | Molecular Reconstruction of Extinct LINE-1 Elements and Their Interaction with Nonautonomous Elements. <i>Molecular Biology and Evolution</i> , 2013, 30, 88-99. | 8.9 | 21 |
| 24 | Altering Genomic Integrity: Heavy Metal Exposure Promotes Transposable Element-Mediated Damage. <i>Biological Trace Element Research</i> , 2015, 166, 24-33. | 3.5 | 18 |
| 25 | The L1 Retrotranspositional Stimulation by Particulate and Soluble Cadmium Exposure is Independent of the Generation of DNA Breaks. <i>International Journal of Environmental Research and Public Health</i> , 2006, 3, 121-128. | 2.6 | 16 |
| 26 | A tale of an A-tail. <i>Mobile Genetic Elements</i> , 2012, 2, 282-286. | 1.8 | 16 |
| 27 | The impact of oil spill to lung health—Insights from an RNA-seq study of human airway epithelial cells. <i>Gene</i> , 2016, 578, 38-51. | 2.2 | 16 |
| 28 | The role of Alu-derived RNAs in Alzheimer's and other neurodegenerative conditions. <i>Medical Hypotheses</i> , 2018, 115, 29-34. | 1.5 | 15 |
| 29 | Carcinogenic effects of oil dispersants: A KEGG pathway-based RNA-seq study of human airway epithelial cells. <i>Gene</i> , 2017, 602, 16-23. | 2.2 | 11 |
| 30 | Effects of corexit oil dispersants and the WAF of dispersed oil on DNA damage and repair in cultured human bronchial airway cells, BEAS-2B. <i>Gene Reports</i> , 2016, 3, 22-30. | 0.8 | 7 |
| 31 | SINE Retrotransposition: Evaluation of Alu Activity and Recovery of De Novo Inserts. <i>Methods in Molecular Biology</i> , 2016, 1400, 183-201. | 0.9 | 7 |
| 32 | Evaluating different DNA binding domains to modulate L1 ORF2p-driven site-specific retrotransposition events in human cells. <i>Gene</i> , 2018, 642, 188-198. | 2.2 | 2 |
| 33 | Reviving a 60 million year old LINE-1 element. <i>Gene Reports</i> , 2018, 11, 74-78. | 0.8 | 1 |
| 34 | Environment, Cellular Signaling, and L1 Activity. , 2017, , 157-194. | | 1 |
| 35 | Heavy metal and junk DNA. <i>Mobile Genetic Elements</i> , 2016, 6, e1234428. | 1.8 | 0 |