

# Elisa Biondi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4148355/publications.pdf>

Version: 2024-02-01

18  
papers

454  
citations

759233

12  
h-index

839539

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19  
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19  
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times ranked

597  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | When Did Life Likely Emerge on Earth in an RNA-First Process?. <i>ChemSystemsChem</i> , 2020, 2, e1900035.  | 2.6  | 71        |
| 2  | Montmorillonite protection of an UV-irradiated hairpin ribozyme: evolution of the RNA world in a mineral environment. <i>BMC Evolutionary Biology</i> , 2007, 7, S2.                      | 3.2  | 63        |
| 3  | Laboratory evolution of artificially expanded DNA gives redesignable aptamers that target the toxic form of anthrax protective antigen. <i>Nucleic Acids Research</i> , 2016, 44, gkw890. | 14.5 | 63        |
| 4  | Artificially Expanded Genetic Information Systems for New Aptamer Technologies. <i>Biomedicines</i> , 2018, 6, 53.  | 3.2  | 55        |
| 5  | Catalytic activity of hammerhead ribozymes in a clay mineral environment: Implications for the RNA world. <i>Gene</i> , 2007, 389, 10-18.   | 2.2  | 36        |
| 6  | Potent Inhibition of HIV-1 Reverse Transcriptase and Replication by Nonpseudoknot, $\alpha$ -UCAA-motif RNA Aptamers. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e71.            | 5.1  | 30        |
| 7  | Prebiotic Chemistry that Could Not Not Have Happened. <i>Life</i> , 2019, 9, 84.  | 2.4  | 29        |
| 8  | Adsorption of RNA on mineral surfaces and mineral precipitates. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 393-404.  | 2.2  | 24        |
| 9  | Convergent donor and acceptor substrate utilization among kinase ribozymes. <i>Nucleic Acids Research</i> , 2010, 38, 6785-6795.  | 14.5 | 17        |
| 10 | Separating and Analyzing Sulfur-Containing RNAs with Organomercury Gels. <i>Methods in Molecular Biology</i> , 2012, 883, 111-120.  | 0.9  | 17        |
| 11 | Looking for the Primordial Genetic Honeycomb. <i>Origins of Life and Evolution of Biospheres</i> , 2007, 36, 493-499.   | 1.9  | 14        |
| 12 | A small ribozyme with dual-site kinase activity. <i>Nucleic Acids Research</i> , 2012, 40, 7528-7540.   | 14.5 | 13        |
| 13 | Lewis acid catalysis of phosphoryl transfer from a copper(II)-NTP complex in a kinase ribozyme. <i>Nucleic Acids Research</i> , 2013, 41, 3327-3338.                                      | 14.5 | 11        |
| 14 | Mineral-Organic Interactions in Prebiotic Synthesis. <i>Nucleic Acids and Molecular Biology</i> , 2018, , 31-83.  | 0.2  | 5         |
| 15 | RNA Structural Analysis by Enzymatic Digestion. <i>Methods in Molecular Biology</i> , 2014, 1086, 41-52.  | 0.9  | 3         |
| 16 | Opal Absorbs and Stabilizes RNA – A Hierarchy of Prebiotic Silica Minerals. <i>Synlett</i> , 2016, 28, 84-88.   | 1.8  | 1         |
| 17 | Opal Adsorbs and Stabilizes RNA – A Hierarchy of Prebiotic Silica Minerals. <i>Synlett</i> , 2018, 29, 256-256.   | 1.8  | 1         |
| 18 | Mist and replication. <i>Nature Physics</i> , 0, , .  | 16.7 | 0         |