

# Manuela Gellert

## List of Publications by Year in descending order

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17  
papers

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citations

1040056

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19  
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docs citations

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times ranked

779  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Molecular architecture of <i>Streptococcus pneumoniae</i> surface thioredoxin $\alpha$ -fold lipoproteins crucial for extracellular oxidative stress resistance and maintenance of virulence. <i>EMBO Molecular Medicine</i> , 2013, 5, 1852-1870. | 6.9  | 99        |
| 2  | Vertebrate-specific glutaredoxin is essential for brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20532-20537.  | 7.1  | 71        |
| 3  | Molecular basis for the distinct functions of redox-active and FeS-transferring glutaredoxins. <i>Nature Communications</i> , 2020, 11, 3445.  | 12.8 | 47        |
| 4  | Identification of a Dithiol-disulfide Switch in Collapsin Response Mediator Protein 2 (CRMP2) That Is Toggled in a Model of Neuronal Differentiation. <i>Journal of Biological Chemistry</i> , 2013, 288, 35117-35125.                             | 3.4  | 31        |
| 5  | Redox regulation of cytoskeletal dynamics during differentiation and de-differentiation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1575-1587.  | 2.4  | 30        |
| 6  | Substrate specificity of thioredoxins and glutaredoxins – towards a functional classification. <i>Heliyon</i> , 2019, 5, e02943.   | 3.2  | 28        |
| 7  | Thioredoxin 1 and glutaredoxin 2 contribute to maintain the phenotype and integrity of neurons following perinatal asphyxia. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1274-1285.                                      | 2.4  | 22        |
| 8  | Role of GSH and Iron-Sulfur Glutaredoxins in Iron Metabolism – Review. <i>Molecules</i> , 2020, 25, 3860.  | 3.8  | 18        |
| 9  | Cofilin1 oxidation links oxidative distress to mitochondrial demise and neuronal cell death. <i>Cell Death and Disease</i> , 2021, 12, 953.  | 6.3  | 14        |
| 10 | Signal-regulated oxidation of proteins via MICAL. <i>Biochemical Society Transactions</i> , 2020, 48, 613-620.   | 3.4  | 11        |
| 11 | Molecular dynamics simulations and in vitro analysis of the CRMP2 thiol switch. <i>Molecular BioSystems</i> , 2017, 13, 1744-1753.   | 2.9  | 8         |
| 12 | The cytosolic isoform of glutaredoxin 2 promotes cell migration and invasion. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129599.  | 2.4  | 7         |
| 13 | Functional metagenomics of the thioredoxin superfamily. <i>Journal of Biological Chemistry</i> , 2021, 296, 100247.  | 3.4  | 7         |
| 14 | Molecular Basis for the Interactions of Human Thioredoxins with Their Respective Reductases. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.  | 4.0  | 6         |
| 15 | p53 is functionally inhibited in clear cell renal cell carcinoma (ccRCC): a mechanistic and correlative investigation into genetic and molecular characteristics. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 3565-3576.  | 2.5  | 5         |
| 16 | Functional plasticity in the thioredoxin family: FeS-thio- and glutaredoxins. , 2022, , 219-239.   |      | 0         |
| 17 | Nucleoredoxin Plays a Key Role in the Maintenance of Retinal Pigmented Epithelium Differentiation. <i>Antioxidants</i> , 2022, 11, 1106.   | 5.1  | 0         |