

# Joan B Broderick

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/984870/publications.pdf>

Version: 2024-02-01

105  
papers

6,794  
citations

53794

45  
h-index

62596

80  
g-index

188  
all docs

188  
docs citations

188  
times ranked

4117  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Radical <i>S</i> -Adenosylmethionine Enzymes. <i>Chemical Reviews</i> , 2014, 114, 4229-4317.   | 47.7 | 651       |
| 2  | [FeFe]- and [NiFe]-hydrogenase diversity, mechanism, and maturation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1350-1369.  | 4.1  | 400       |
| 3  | Stepwise [FeFe]-hydrogenase H-cluster assembly revealed in the structure of HydA <sup>1</sup> EFG. <i>Nature</i> , 2010, 465, 248-251.  | 27.8 | 295       |
| 4  | Insights into [FeFe]-Hydrogenase Structure, Mechanism, and Maturation. <i>Structure</i> , 2011, 19, 1038-1052.  | 3.3  | 220       |
| 5  | <i>Escherichia coli</i> LipA Is a Lipoyl Synthase: In Vitro Biosynthesis of Lipoylated Pyruvate Dehydrogenase Complex from Octanoyl-Acyl Carrier Protein. <i>Biochemistry</i> , 2000, 39, 15166-15178.  | 2.5  | 199       |
| 6  | Electron-Nuclear Double Resonance Spectroscopic Evidence That <i>S</i> -Adenosylmethionine Binds in Contact with the Catalytically Active [4Fe <sup>2+</sup> 4S]+Cluster of Pyruvate Formate-Lyase Activating Enzyme. <i>Journal of the American Chemical Society</i> , 2002, 124, 3143-3151. | 13.7 | 186       |
| 7  | An Anchoring Role for FeS Clusters: Chelation of the Amino Acid Moiety of <i>S</i> -Adenosylmethionine to the Unique Iron Site of the [4Fe <sup>2+</sup> 4S] Cluster of Pyruvate Formate-Lyase Activating Enzyme. <i>Journal of the American Chemical Society</i> , 2002, 124, 11270-11271.   | 13.7 | 185       |
| 8  | Structural basis for glycy radical formation by pyruvate formate-lyase activating enzyme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16137-16141.  | 7.1  | 170       |
| 9  | [FeFe]-Hydrogenase Maturation: HydG-Catalyzed Synthesis of Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 9247-9249.   | 13.7 | 149       |
| 10 | Adenosylmethionine-dependent iron-sulfur enzymes: versatile clusters in a radical new role. <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 209-226.  | 2.6  | 146       |
| 11 | [FeFe]-Hydrogenase Cyanide Ligands Derived From <i>S</i> -Adenosylmethionine-Dependent Cleavage of Tyrosine. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1687-1690.  | 13.8 | 144       |
| 12 | Coordination of Adenosylmethionine to a Unique Iron Site of the [4Fe-4S] of Pyruvate Formate-Lyase Activating Enzyme: A Mössbauer Spectroscopic Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 912-913.  | 13.7 | 139       |
| 13 | Synthesis of the 2Fe subcluster of the [FeFe]-hydrogenase H cluster on the HydF scaffold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10448-10453.  | 7.1  | 129       |
| 14 | HydF as a scaffold protein in [FeFe] hydrogenase H-cluster biosynthesis. <i>FEBS Letters</i> , 2008, 582, 2183-2187.  | 2.8  | 122       |
| 15 | Direct H Atom Abstraction from Spore Photoproduct C-6 Initiates DNA Repair in the Reaction Catalyzed by Spore Photoproduct Lyase: Evidence for a Reversibly Generated Adenosyl Radical Intermediate. <i>Journal of the American Chemical Society</i> , 2002, 124, 2860-2861.                  | 13.7 | 121       |
| 16 | Activation of HydA <sup>1</sup> EFG Requires a Preformed [4Fe-4S] Cluster. <i>Biochemistry</i> , 2009, 48, 6240-6248.   | 2.5  | 119       |
| 17 | [FeFe]-Hydrogenase Oxygen Inactivation Is Initiated at the H Cluster 2Fe Subcluster. <i>Journal of the American Chemical Society</i> , 2015, 137, 1809-1816.  | 13.7 | 119       |
| 18 | Pyruvate Formate-Lyase Activating Enzyme Is an Iron-Sulfur Protein. <i>Journal of the American Chemical Society</i> , 1997, 119, 7396-7397.   | 13.7 | 118       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Radical SAM catalysis via an organometallic intermediate with an Fe <sup>II</sup> -[5 <sup>α</sup> -C]-deoxyadenosyl bond. <i>Science</i> , 2016, 352, 822-825.  | 12.6 | 113       |
| 20 | In vitro activation of [FeFe] hydrogenase: new insights into hydrogenase maturation. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 443-447.   | 2.6  | 109       |
| 21 | Spectroscopic Approaches to Elucidating Novel Iron-Sulfur Chemistry in the Radical-SAM Protein Superfamily. <i>Inorganic Chemistry</i> , 2005, 44, 727-741.  | 4.0  | 108       |
| 22 | The [4Fe-4S] <sub>1</sub> +Cluster of Pyruvate Formate-Lyase Activating Enzyme Generates the Glycyl Radical on Pyruvate Formate-Lyase: An EPR-Detected Single Turnover. <i>Journal of the American Chemical Society</i> , 2000, 122, 8331-8332.  | 13.7 | 106       |
| 23 | The antiviral protein viperin is a radical SAM enzyme. <i>FEBS Letters</i> , 2010, 584, 1263-1267.   | 2.8  | 103       |
| 24 | Pyruvate Formate-Lyase-Activating Enzyme: Strictly Anaerobic Isolation Yields Active Enzyme Containing a [3Fe-4S] <sub>1</sub> + Cluster. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 451-456.                       | 2.1  | 96        |
| 25 | [FeFe]-Hydrogenase Maturation. <i>Biochemistry</i> , 2014, 53, 4090-4104.  | 2.5  | 93        |
| 26 | Overproduction, purification, and characterization of chlorocatechol dioxygenase, a non-heme iron dioxygenase with broad substrate tolerance. <i>Biochemistry</i> , 1991, 30, 7349-7358.   | 2.5  | 90        |
| 27 | Emerging Paradigms for Complex Iron-Sulfur Cofactor Assembly and Insertion. <i>Annual Review of Biochemistry</i> , 2012, 81, 429-450.  | 11.1 | 90        |
| 28 | Glycyl radical activating enzymes: Structure, mechanism, and substrate interactions. <i>Archives of Biochemistry and Biophysics</i> , 2014, 546, 64-71.  | 3.0  | 88        |
| 29 | Conversion of 3Fe-4S to 4Fe-4S Clusters in Native Pyruvate Formate-Lyase Activating Enzyme: An X-ray Absorption Characterization and Implications for Mechanism. <i>Journal of the American Chemical Society</i> , 2000, 122, 12497-12506.       | 13.7 | 86        |
| 30 | Catechol dioxygenases. <i>Essays in Biochemistry</i> , 1999, 34, 173-189.  | 4.7  | 85        |
| 31 | Genome sequence of <i>Desulfitobacterium hafniense</i> DCB-2, a Gram-positive anaerobe capable of dehalogenation and metal reduction. <i>BMC Microbiology</i> , 2012, 12, 21.  | 3.3  | 84        |
| 32 | EPR and FTIR Analysis of the Mechanism of H <sub>2</sub> Activation by [FeFe]-Hydrogenase HydA1 from <i>Chlamydomonas reinhardtii</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 6921-6929.                                  | 13.7 | 82        |
| 33 | Mechanism of Radical Initiation in the Radical S-Adenosyl-methionine Superfamily. <i>Accounts of Chemical Research</i> , 2018, 51, 2611-2619.  | 15.6 | 78        |
| 34 | Paradigm Shift for Radical S-Adenosyl-methionine Reactions: The Organometallic Intermediate Is Central to Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 8634-8638.   | 13.7 | 76        |
| 35 | The Elusive 5 <sup>α</sup> -Deoxyadenosyl Radical: Captured and Characterized by Electron Paramagnetic Resonance and Electron Nuclear Double Resonance Spectroscopies. <i>Journal of the American Chemical Society</i> , 2019, 141, 12139-12146. | 13.7 | 68        |
| 36 | Hydrogenase cluster biosynthesis: organometallic chemistry nature's way. <i>Dalton Transactions</i> , 2009, 4274.  | 3.3  | 66        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Biosynthesis of complex iron-sulfur enzymes. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 319-327.  | 6.1  | 65        |
| 38 | Characterization of an Active Spore Photoproduct Lyase, a DNA Repair Enzyme in the Radical S-Adenosylmethionine Superfamily. <i>Journal of Biological Chemistry</i> , 2006, 281, 25994-26003.   | 3.4  | 64        |
| 39 | Control of radical chemistry in the AdoMet radical enzymes. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 74-83.   | 6.1  | 62        |
| 40 | Why Nature Uses Radical SAM Enzymes so Widely: Electron Nuclear Double Resonance Studies of Lysine 2,3-Aminomutase Show the S-AdoMet Free Radical is Never Free. <i>Journal of the American Chemical Society</i> , 2015, 137, 7111-7121.  | 13.7 | 59        |
| 41 | [FeFe]-Hydrogenase Maturation: Insights into the Role HydE Plays in Dithiomethylamine Biosynthesis. <i>Biochemistry</i> , 2015, 54, 1807-1818.  | 2.5  | 57        |
| 42 | Spore Photoproduct Lyase Catalyzes Specific Repair of the 5 <i>R</i> but Not the 5 <i>S</i> Spore Photoproduct. <i>Journal of the American Chemical Society</i> , 2009, 131, 2420-2421.   | 13.7 | 55        |
| 43 | Biochemical and Kinetic Characterization of Radical S-Adenosyl-methionine Enzyme HydC. <i>Biochemistry</i> , 2013, 52, 8696-8707.   | 2.5  | 50        |
| 44 | Pyruvate Formate-lyase and Its Activation by Pyruvate Formate-lyase Activating Enzyme. <i>Journal of Biological Chemistry</i> , 2014, 289, 5723-5729.   | 3.4  | 50        |
| 45 | The Iron-Sulfur Cluster of Pyruvate Formate-Lyase Activating Enzyme in Whole Cells: Cluster Interconversion and a Valence-Localized [4Fe-4S] <sup>2+</sup> State. <i>Biochemistry</i> , 2009, 48, 9234-9241.  | 2.5  | 47        |
| 46 | Identification and Characterization of a Novel Member of the Radical AdoMet Enzyme Superfamily and Implications for the Biosynthesis of the Hmd Hydrogenase Active Site Cofactor. <i>Journal of Bacteriology</i> , 2010, 192, 595-598.  | 2.2  | 45        |
| 47 | S K-edge XAS and DFT Calculations on SAM Dependent Pyruvate Formate-Lyase Activating Enzyme: Nature of Interaction between the Fe <sub>4</sub> S <sub>4</sub> Cluster and SAM and its Role in Reactivity. <i>Journal of the American Chemical Society</i> , 2011, 133, 18656-18662. | 13.7 | 45        |
| 48 | Pyruvate formate-lyase activating enzyme: elucidation of a novel mechanism for glycy radical formation. <i>Archives of Biochemistry and Biophysics</i> , 2005, 433, 288-296.  | 3.0  | 44        |
| 49 | Viperin: a radical response to viral infection. <i>Biomolecular Concepts</i> , 2012, 3, 255-266.  | 2.2  | 43        |
| 50 | Emerging themes in radical SAM chemistry. <i>Current Opinion in Structural Biology</i> , 2012, 22, 701-710.   | 5.7  | 42        |
| 51 | Evidence for retention of biological activity of a non-heme iron enzyme adsorbed on a silver colloid: A surface-enhanced resonance Raman scattering study. <i>Biochemistry</i> , 1993, 32, 13771-13776.   | 2.5  | 39        |
| 52 | Inactivation of E. coli pyruvate formate-lyase: Role of AdhE and small molecules. <i>Archives of Biochemistry and Biophysics</i> , 2007, 459, 1-9.  | 3.0  | 39        |
| 53 | Pyruvate Formate-lyase, Evidence for an Open Conformation Favored in the Presence of Its Activating Enzyme. <i>Journal of Biological Chemistry</i> , 2010, 285, 27224-27231.  | 3.4  | 38        |
| 54 | Reversible H Atom Abstraction Catalyzed by the Radical S-Adenosylmethionine Enzyme HydG. <i>Journal of the American Chemical Society</i> , 2014, 136, 13086-13089.  | 13.7 | 38        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | H-Cluster assembly during maturation of the [FeFe]-hydrogenase. <i>Journal of Biological Chemistry</i> , 2014, 19, 747-757.   | 2.6  | 36        |
| 56 | Radical SAM enzymes: surprises along the path to understanding mechanism. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 769-776.   | 2.6  | 35        |
| 57 | Photoinduced Electron Transfer in a Radical SAM Enzyme Generates an <i>S</i> -Adenosylmethionine Derived Methyl Radical. <i>Journal of the American Chemical Society</i> , 2019, 141, 16117-16124.                            | 13.7 | 31        |
| 58 | Structural studies of the interaction of <i>S</i> -adenosylmethionine with the [4Fe-4S] clusters in biotin synthase and pyruvate formate-lyase activating enzyme. <i>Protein Science</i> , 2003, 12, 1573-1577.               | 7.6  | 28        |
| 59 | Complete stereospecific repair of a synthetic dinucleotide spore photoproduct by spore photoproduct lyase. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 943-955.  | 2.6  | 28        |
| 60 | Monovalent Cation Activation of the Radical SAM Enzyme Pyruvate Formate-Lyase Activating Enzyme. <i>Journal of the American Chemical Society</i> , 2017, 139, 11803-11813.  | 13.7 | 28        |
| 61 | Frontiers in enzymatic C-H-bond activation. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 51-57.   | 6.1  | 27        |
| 62 | Radical AdoMet enzymes in complex metal cluster biosynthesis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1254-1263.   | 2.3  | 25        |
| 63 | Radical S-Adenosyl-l-methionine Chemistry in the Synthesis of Hydrogenase and Nitrogenase Metal Cofactors. <i>Journal of Biological Chemistry</i> , 2015, 290, 3987-3994.   | 3.4  | 22        |
| 64 | A radically different enzyme. <i>Nature</i> , 2010, 465, 877-878.   | 27.8 | 20        |
| 65 | Special issue on iron-sulfur proteins: Structure, function, biogenesis and diseases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1251-1252.  | 4.1  | 20        |
| 66 | Cyanide and Carbon Monoxide Ligand Formation in Hydrogenase Biosynthesis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 935-947.   | 2.0  | 19        |
| 67 | Radical SAM enzymes in methylation and methylthiolation. <i>Metallomics</i> , 2012, 4, 1149.  | 2.4  | 19        |
| 68 | <i>S</i> -Adenosyl-l-methionine is a Catalytically Competent Analog of <i>S</i> -Adenosyl-l-methionine (SAM) in the Radical SAM Enzyme HydG. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4666-4672.          | 13.8 | 19        |
| 69 | A Redox Active [2Fe-2S] Cluster on the Hydrogenase Maturase HydF. <i>Biochemistry</i> , 2016, 55, 3514-3527.  | 2.5  | 18        |
| 70 | Mechanism of Radical <i>S</i> -Adenosyl-l-methionine Adenylation: Radical Intermediates and the Catalytic Competence of the 5'-Deoxyadenosyl Radical. <i>Journal of the American Chemical Society</i> , 2022, 144, 5087-5098. | 13.7 | 18        |
| 71 | Mechanistic Studies of Radical SAM Enzymes: Pyruvate Formate-Lyase Activating Enzyme and Lysine 2,3-Aminomutase Case Studies. <i>Methods in Enzymology</i> , 2018, 606, 269-318.  | 1.0  | 17        |
| 72 | Iron-sulfur cluster coordination in the [FeFe]-hydrogenase H cluster biosynthetic factor HydF. <i>FEBS Letters</i> , 2012, 586, 3939-3943.  | 2.8  | 16        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Flavodoxin cofactor binding induces structural changes that are required for protein-protein interactions with NADP+ oxidoreductase and pyruvate formate-lyase activating enzyme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2512-2519. | 2.3  | 16        |
| 74 | Compositional and structural insights into the nature of the H-cluster precursor on HydF. <i>Dalton Transactions</i> , 2018, 47, 9521-9535.   | 3.3  | 16        |
| 75 | H-cluster assembly intermediates built on HydF by the radical SAM enzymes HydE and HydG. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 783-792.  | 2.6  | 15        |
| 76 | Active-Site Controlled, Jahn-Teller Enabled Regioselectivity in Reductive C Bond Cleavage of S-Adenosylmethionine in Radical SAM Enzymes. <i>Journal of the American Chemical Society</i> , 2021, 143, 335-348.   | 13.7 | 15        |
| 77 | Examining Pathways of Iron and Sulfur Acquisition, Trafficking, Deployment, and Storage in Mineral-Grown Methanogen Cells. <i>Journal of Bacteriology</i> , 2021, 203, e0014621.  | 2.2  | 13        |
| 78 | [FeFe]-Hydrogenase: Defined Lysate-Free Maturation Reveals a Key Role for Lipoyl-Protein in DTMA Ligand Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .  | 13.8 | 13        |
| 79 | Electron Spin Relaxation and Biochemical Characterization of the Hydrogenase Maturase HydF: Insights into [2Fe-2S] and [4Fe-4S] Cluster Communication and Hydrogenase Activation. <i>Biochemistry</i> , 2017, 56, 3234-3247.  | 2.5  | 12        |
| 80 | Radical S-adenosylmethionine maquette chemistry: Cx3Cx2C peptide coordinated redox active [4Fe-4S] clusters. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 793-807.  | 2.6  | 11        |
| 81 | HydG, the $\alpha$ -iron, and catalytic production of free CO and CN: implications for [FeFe]-hydrogenase maturation. <i>Dalton Transactions</i> , 2021, 50, 10405-10422.   | 3.3  | 11        |
| 82 | [FeFe]-hydrogenase maturation: H-cluster assembly intermediates tracked by electron paramagnetic resonance, infrared, and X-ray absorption spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 777-788.  | 2.6  | 10        |
| 83 | Radical SAM Enzyme Spore Photoproduct Lyase: Properties of the Organometallic Intermediate and Identification of Stable Protein Radicals Formed during Substrate-Free Turnover. <i>Journal of the American Chemical Society</i> , 2020, 142, 18652-18660.                 | 13.7 | 10        |
| 84 | The B12-independent glycerol dehydratase activating enzyme from <i>Clostridium butyricum</i> cleaves SAM to produce 5'-deoxyadenosine and not 5'-deoxy-5-(methylthio)adenosine. <i>Journal of Inorganic Biochemistry</i> , 2022, 227, 111662.                             | 3.5  | 10        |
| 85 | Chemoselective Deprotection of Triethylsilyl Ethers. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2009, 28, 1016-1029.   | 1.1  | 9         |
| 86 | Combined Mössbauer spectroscopic, multi-edge X-ray absorption spectroscopic, and density functional theoretical study of the radical SAM enzyme spore photoproduct lyase. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 465-483.                           | 2.6  | 9         |
| 87 | Characterization of the Preprocessed Copper Site Equilibrium in Amine Oxidase and Assignment of the Reactive Copper Site in Topaquinone Biogenesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 8877-8890.   | 13.7 | 8         |
| 88 | Secondary structure analysis of peptides with relevance to iron-sulfur cluster nesting. <i>Journal of Computational Chemistry</i> , 2019, 40, 515-526.  | 3.3  | 8         |
| 89 | S-Adenosylmethionine and Iron-Sulfur Clusters in Biological Radical Reactions: The Radical SAM Superfamily. , 2010, , 625-661.  |      | 7         |
| 90 | An Efficient Deprotection of N-Trimethylsilyloxyethyl (SEM) Groups From Dinucleosides and Dinucleotides. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2010, 29, 132-143.   | 1.1  | 7         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Assembling iron-sulfur clusters in the cytosol. <i>Nature Chemical Biology</i> , 2007, 3, 243-244.  | 8.0 | 6         |
| 92  | Iron- and Sulfur Cluster States of the Hydrogenase Maturase HydF. <i>Biochemistry</i> , 2017, 56, 4733-4734.  | 2.5 | 5         |
| 93  | [FeFe]-Hydrogenase: Defined Lysate-Free Maturation Reveals a Key Role for Lipoyl-CoA Protein in DTMA Ligand Biosynthesis. <i>Angewandte Chemie</i> , 2022, 134, .   | 2.0 | 5         |
| 94  | Solution phase dynamics of the DNA repair enzyme spore photoproduct lyase as probed by H/D exchange. <i>FEBS Letters</i> , 2014, 588, 3023-3029.  | 2.8 | 3         |
| 95  | 23. Origin and evolution of Fe-S proteins and enzymes. , 2014, , 619-636.   |     | 3         |
| 96  | <i>S</i> -Adenosyl-L-methionine is a Catalytically Competent Analog of <i>S</i> -Adenosyl-L-methionine (SAM) in the Radical SAM Enzyme HydG. <i>Angewandte Chemie</i> , 2021, 133, 4716-4722.                             | 2.0 | 3         |
| 97  | Cutting Choline with Radical Scissors. <i>Cell Chemical Biology</i> , 2016, 23, 1173-1174.  | 5.2 | 2         |
| 98  | 17 Origin and evolution of Fe-S proteins and enzymes. , 2017, , 445-462.  |     | 2         |
| 99  | Bioinorganic chemistry. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 157-159.  | 6.1 | 1         |
| 100 | Paramagnetic Resonance in Mechanistic Studies of Fe-S/Radical Enzymes. <i>ACS Symposium Series</i> , 2003, , 113-127.   | 0.5 | 0         |
| 101 | Cyanide and Carbon Monoxide Ligand Formation in Hydrogenase Biosynthesis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, .  | 2.0 | 0         |
| 102 | Spectroscopic Investigation of Pyruvate Formate Lyase-activating Enzyme: A Look into EPR, ENDOR and Mossbauer Spectroscopy. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014, 8, 1075-1097. | 0.1 | 0         |
| 103 | Radical S-Adenosyl-L-Methionine Enzymes. , 2021, , 124-133.   |     | 0         |
| 104 | Biogenesis of the H-cluster of the [FeFe]-hydrogenase. <i>FASEB Journal</i> , 2013, 27, 98.2.   | 0.5 | 0         |
| 105 | Titelbild: [FeFe]-Hydrogenase: Defined Lysate-Free Maturation Reveals a Key Role for Lipoyl-CoA Protein in DTMA Ligand Biosynthesis ( <i>Angew. Chem.</i> 22/2022). <i>Angewandte Chemie</i> , 2022, 134, .               | 2.0 | 0         |