

Dennis R Dean

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113
papers

9,898
citations

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99
g-index

115
ext. papers

11,240
ext. citations

10.2
avg, IF

6.11
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 113 | Mechanism of nitrogen fixation by nitrogenase: the next stage. <i>Chemical Reviews</i> , 2014 , 114, 4041-62 | 68.1 | 1073 |
| 112 | Mechanism of Mo-dependent nitrogenase. <i>Annual Review of Biochemistry</i> , 2009 , 78, 701-22 | 29.1 | 457 |
| 111 | IscU as a scaffold for iron-sulfur cluster biosynthesis: sequential assembly of [2Fe-2S] and [4Fe-4S] clusters in IscU. <i>Biochemistry</i> , 2000 , 39, 7856-62 | 3.2 | 386 |
| 110 | Mechanism for the desulfurization of L-cysteine catalyzed by the nifS gene product. <i>Biochemistry</i> , 1994 , 33, 4714-20 | 3.2 | 351 |
| 109 | Climbing nitrogenase: toward a mechanism of enzymatic nitrogen fixation. <i>Accounts of Chemical Research</i> , 2009 , 42, 609-19 | 24.3 | 287 |
| 108 | Nitrogenase: a draft mechanism. <i>Accounts of Chemical Research</i> , 2013 , 46, 587-95 | 24.3 | 282 |
| 107 | Biochemical and genetic analysis of the nifUSVWZM cluster from <i>Azotobacter vinelandii</i> . <i>Molecular Genetics and Genomics</i> , 1989 , 219, 49-57 | | 244 |
| 106 | IscA, an alternate scaffold for Fe-S cluster biosynthesis. <i>Biochemistry</i> , 2001 , 40, 14069-80 | 3.2 | 216 |
| 105 | Genome sequence of <i>Azotobacter vinelandii</i> , an obligate aerobe specialized to support diverse anaerobic metabolic processes. <i>Journal of Bacteriology</i> , 2009 , 191, 4534-45 | 3.5 | 202 |
| 104 | Formation of iron-sulfur clusters in bacteria: an emerging field in bioinorganic chemistry. <i>Current Opinion in Chemical Biology</i> , 2003 , 7, 166-73 | 9.7 | 185 |
| 103 | Substrate interactions with the nitrogenase active site. <i>Accounts of Chemical Research</i> , 2005 , 38, 208-14 | 24.3 | 177 |
| 102 | Substrate interactions with nitrogenase: Fe versus Mo. <i>Biochemistry</i> , 2004 , 43, 1401-9 | 3.2 | 175 |
| 101 | Trapping H ⁻ bound to the nitrogenase FeMo-cofactor active site during H ₂ evolution: characterization by ENDOR spectroscopy. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6231-41 | 16.4 | 170 |
| 100 | Sulfur transfer from IscS to IscU: the first step in iron-sulfur cluster biosynthesis. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11103-4 | 16.4 | 164 |
| 99 | Catalytic and biophysical properties of a nitrogenase Apo-MoFe protein produced by a nifB-deletion mutant of <i>Azotobacter vinelandii</i> . <i>Biochemistry</i> , 1998 , 37, 12611-23 | 3.2 | 161 |
| 98 | Nitrogenase bioelectrocatalysis: heterogeneous ammonia and hydrogen production by MoFe protein. <i>Energy and Environmental Science</i> , 2016 , 9, 2550-2554 | 35.4 | 139 |
| 97 | nifU gene product from <i>Azotobacter vinelandii</i> is a homodimer that contains two identical [2Fe-2S] clusters. <i>Biochemistry</i> , 1994 , 33, 13455-63 | 3.2 | 136 |

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| 96 | Role of the MoFe protein alpha-subunit histidine-195 residue in FeMo-cofactor binding and nitrogenase catalysis. <i>Biochemistry</i> , 1995 , 34, 2798-808 | 3.2 | 132 |
| 95 | Nitrogen Fixation by <i>Azotobacter vinelandii</i> Strains Having Deletions in Structural Genes for Nitrogenase. <i>Science</i> , 1986 , 232, 92-4 | 33.3 | 128 |
| 94 | Breaking the N ₂ triple bond: insights into the nitrogenase mechanism. <i>Dalton Transactions</i> , 2006 , 2277-843 | 4.3 | 119 |
| 93 | Substrate interaction at an iron-sulfur face of the FeMo-cofactor during nitrogenase catalysis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53621-4 | 5.4 | 119 |
| 92 | Role for the nitrogenase MoFe protein alpha-subunit in FeMo-cofactor binding and catalysis. <i>Nature</i> , 1990 , 343, 188-90 | 50.4 | 117 |
| 91 | Role of the IscU Protein in Iron-Sulfur Cluster Biosynthesis: IscS-mediated Assembly of a [Fe ₂ S ₂] Cluster in IscU. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2136-2137 | 16.4 | 113 |
| 90 | Intermediates trapped during nitrogenase reduction of N triple bond N, CH ₃ -N=NH, and H ₂ N-NH ₂ . <i>Journal of the American Chemical Society</i> , 2005 , 127, 14960-1 | 16.4 | 112 |
| 89 | NifS-mediated assembly of [4Fe-4S] clusters in the N- and C-terminal domains of the NifU scaffold protein. <i>Biochemistry</i> , 2005 , 44, 12955-69 | 3.2 | 111 |
| 88 | Role of Nucleotides in Nitrogenase Catalysis. <i>Accounts of Chemical Research</i> , 1997 , 30, 260-266 | 24.3 | 107 |
| 87 | An organometallic intermediate during alkyne reduction by nitrogenase. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9563-9 | 16.4 | 105 |
| 86 | The nifU, nifS and nifV gene products are required for activity of all three nitrogenases of <i>Azotobacter vinelandii</i> . <i>Molecular Genetics and Genomics</i> , 1992 , 231, 494-8 | | 103 |
| 85 | Reductive Elimination of H ₂ Activates Nitrogenase to Reduce the N ₂ Triple Bond: Characterization of the E ₄ (4H) Janus Intermediate in Wild-Type Enzyme. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10674-83 | 16.4 | 100 |
| 84 | In vitro activation of apo-aconitase using a [4Fe-4S] cluster-loaded form of the IscU [Fe-S] cluster scaffolding protein. <i>Biochemistry</i> , 2007 , 46, 6812-21 | 3.2 | 98 |
| 83 | Electron transfer within nitrogenase: evidence for a deficit-spending mechanism. <i>Biochemistry</i> , 2011 , 50, 9255-63 | 3.2 | 97 |
| 82 | Iron-sulfur cluster assembly: NifU-directed activation of the nitrogenase Fe protein. <i>Journal of Biological Chemistry</i> , 2004 , 279, 19705-11 | 5.4 | 97 |
| 81 | Connecting nitrogenase intermediates with the kinetic scheme for N ₂ reduction by a relaxation protocol and identification of the N ₂ binding state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1451-5 | 11.5 | 91 |
| 80 | Reduction of Substrates by Nitrogenases. <i>Chemical Reviews</i> , 2020 , 120, 5082-5106 | 68.1 | 90 |
| 79 | Carbon dioxide reduction to methane and coupling with acetylene to form propylene catalyzed by remodeled nitrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19644-8 | 11.5 | 90 |

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| 78 | Trapping a hydrazine reduction intermediate on the nitrogenase active site. <i>Biochemistry</i> , 2005 , 44, 8030-32 | 3.2 | 89 |
| 77 | Electron transfer in nitrogenase catalysis. <i>Current Opinion in Chemical Biology</i> , 2012 , 16, 19-25 | 9.7 | 86 |
| 76 | Diazene (HN=NH) is a substrate for nitrogenase: insights into the pathway of N ₂ reduction. <i>Biochemistry</i> , 2007 , 46, 6784-94 | 3.2 | 84 |
| 75 | Identification of a key catalytic intermediate demonstrates that nitrogenase is activated by the reversible exchange of N ₂ for H ₂ . <i>Journal of the American Chemical Society</i> , 2015 , 137, 3610-5 | 16.4 | 83 |
| 74 | Molybdenum nitrogenase catalyzes the reduction and coupling of CO to form hydrocarbons. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19417-21 | 5.4 | 82 |
| 73 | Localization of a substrate binding site on the FeMo-cofactor in nitrogenase: trapping propargyl alcohol with an alpha-70-substituted MoFe protein. <i>Biochemistry</i> , 2003 , 42, 9102-9 | 3.2 | 82 |
| 72 | On reversible H ₂ loss upon N ₂ binding to FeMo-cofactor of nitrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16327-32 | 11.5 | 78 |
| 71 | Testing if the interstitial atom, X, of the nitrogenase molybdenum-iron cofactor is N or C: ENDOR, ESEEM, and DFT studies of the S = 3/2 resting state in multiple environments. <i>Inorganic Chemistry</i> , 2007 , 46, 11437-49 | 5.1 | 77 |
| 70 | ENDOR/HYSCORE studies of the common intermediate trapped during nitrogenase reduction of N ₂ H ₂ , CH ₃ N ₂ H, and N ₂ H ₄ support an alternating reaction pathway for N ₂ reduction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11655-64 | 16.4 | 75 |
| 69 | Transcriptional profiling of nitrogen fixation in <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2011 , 193, 4477-86 | 3.5 | 74 |
| 68 | A methyl diazene (HN=N-CH ₃)-derived species bound to the nitrogenase active-site FeMo cofactor: Implications for mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17113-8 | 11.5 | 74 |
| 67 | Is Mo involved in hydride binding by the four-electron reduced (E4) intermediate of the nitrogenase MoFe protein?. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2526-7 | 16.4 | 72 |
| 66 | Evidence That the Pi Release Event Is the Rate-Limiting Step in the Nitrogenase Catalytic Cycle. <i>Biochemistry</i> , 2016 , 55, 3625-35 | 3.2 | 70 |
| 65 | The <i>Azotobacter vinelandii</i> NifEN complex contains two identical [4Fe-4S] clusters. <i>Biochemistry</i> , 1998 , 37, 10420-8 | 3.2 | 70 |
| 64 | Nitrogenase reduction of carbon-containing compounds. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 1102-11 | 4.6 | 68 |
| 63 | ⁵⁷ Fe ENDOR spectroscopy and electron inventory analysis of the nitrogenase E4 intermediate suggest the metal-ion core of FeMo-cofactor cycles through only one redox couple. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17329-40 | 16.4 | 66 |
| 62 | Mechanistic features and structure of the nitrogenase alpha-Gln195 MoFe protein. <i>Biochemistry</i> , 2001 , 40, 1540-9 | 3.2 | 65 |
| 61 | Controlled expression of nif and isc iron-sulfur protein maturation components reveals target specificity and limited functional replacement between the two systems. <i>Journal of Bacteriology</i> , 2007 , 189, 2854-62 | 3.5 | 64 |

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| 60 | Characterization of the gamma protein and its involvement in the metallocluster assembly and maturation of dinitrogenase from <i>Azotobacter vinelandii</i> . <i>Journal of Biological Chemistry</i> , 1995 , 270, 24745-52 | 5.4 | 64 |
| 59 | Evidence for coupled electron and proton transfer in the [8Fe-7S] cluster of nitrogenase. <i>Biochemistry</i> , 1998 , 37, 11376-84 | 3.2 | 63 |
| 58 | Energy Transduction in Nitrogenase. <i>Accounts of Chemical Research</i> , 2018 , 51, 2179-2186 | 24.3 | 62 |
| 57 | Localization of a catalytic intermediate bound to the FeMo-cofactor of nitrogenase. <i>Journal of Biological Chemistry</i> , 2004 , 279, 34770-5 | 5.4 | 61 |
| 56 | Involvement of the P cluster in intramolecular electron transfer within the nitrogenase MoFe protein. <i>Journal of Biological Chemistry</i> , 1995 , 270, 27007-13 | 5.4 | 61 |
| 55 | Mo-, V-, and Fe-Nitrogenases Use a Universal Eight-Electron Reductive-Elimination Mechanism To Achieve N Reduction. <i>Biochemistry</i> , 2019 , 58, 3293-3301 | 3.2 | 59 |
| 54 | Electron inventory, kinetic assignment (E(n)), structure, and bonding of nitrogenase turnover intermediates with C ₂ H ₂ and CO. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15880-90 | 16.4 | 58 |
| 53 | Evidence for multiple substrate-reduction sites and distinct inhibitor-binding sites from an altered <i>Azotobacter vinelandii</i> nitrogenase MoFe protein. <i>Biochemistry</i> , 1997 , 36, 4884-94 | 3.2 | 55 |
| 52 | Isolation and characterization of an acetylene-resistant nitrogenase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 11459-64 | 5.4 | 55 |
| 51 | Keeping the nitrogen-fixation dream alive. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3009-3011 | 11.5 | 53 |
| 50 | Trapping an intermediate of dinitrogen (N ₂) reduction on nitrogenase. <i>Biochemistry</i> , 2009 , 48, 9094-102 | 3.2 | 53 |
| 49 | Unification of reaction pathway and kinetic scheme for N ₂ reduction catalyzed by nitrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5583-7 | 11.5 | 52 |
| 48 | NifX and NifEN exchange NifB cofactor and the VK-cluster, a newly isolated intermediate of the iron-molybdenum cofactor biosynthetic pathway. <i>Molecular Microbiology</i> , 2007 , 63, 177-92 | 4.1 | 52 |
| 47 | Reversible Photoinduced Reductive Elimination of H ₂ from the Nitrogenase Dihydride State, the E(4)(4H) Janus Intermediate. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1320-7 | 16.4 | 48 |
| 46 | Competitive substrate and inhibitor interactions at the physiologically relevant active site of nitrogenase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 36104-7 | 5.4 | 48 |
| 45 | Mechanism of N Reduction Catalyzed by Fe-Nitrogenase Involves Reductive Elimination of H. <i>Biochemistry</i> , 2018 , 57, 701-710 | 3.2 | 47 |
| 44 | EXAFS and NRVS reveal a conformational distortion of the FeMo-cofactor in the MoFe nitrogenase propargyl alcohol complex. <i>Journal of Inorganic Biochemistry</i> , 2012 , 112, 85-92 | 4.2 | 47 |
| 43 | Biogenesis of molybdenum cofactors. <i>Critical Reviews in Microbiology</i> , 1990 , 17, 169-88 | 7.8 | 46 |

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| 42 | Light-driven carbon dioxide reduction to methane by nitrogenase in a photosynthetic bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10163-7 | 11.5 | 43 |
| 41 | Alkyne substrate interaction within the nitrogenase MoFe protein. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 1642-8 | 4.2 | 42 |
| 40 | Characterization of an Intermediate in the Reduction of Acetylene by the Nitrogenase E ₁ Gln195 MoFe Protein by Q-band EPR and ¹³ C, ¹ H ENDOR. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5582-5587 | 16.4 | 42 |
| 39 | Reduction of short chain alkynes by a nitrogenase E ₁ 70Ala-substituted MoFe protein. <i>Dalton Transactions RSC</i> , 2002 , 802-807 | | 39 |
| 38 | Mechanism of Nitrogenase H Formation by Metal-Hydride Protonation Probed by Mediated Electrocatalysis and H/D Isotope Effects. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13518-13524 | 16.4 | 38 |
| 37 | Interaction of acetylene and cyanide with the resting state of nitrogenase alpha-96-substituted MoFe proteins. <i>Biochemistry</i> , 2001 , 40, 13816-25 | 3.2 | 37 |
| 36 | CO ₂ Reduction Catalyzed by Nitrogenase: Pathways to Formate, Carbon Monoxide, and Methane. <i>Inorganic Chemistry</i> , 2016 , 55, 8321-30 | 5.1 | 34 |
| 35 | Photoinduced Reductive Elimination of H from the Nitrogenase Dihydride (Janus) State Involves a FeMo-cofactor-H Intermediate. <i>Inorganic Chemistry</i> , 2017 , 56, 2233-2240 | 5.1 | 33 |
| 34 | A confirmation of the quench-cryoannealing relaxation protocol for identifying reduction states of freeze-trapped nitrogenase intermediates. <i>Inorganic Chemistry</i> , 2014 , 53, 3688-93 | 5.1 | 31 |
| 33 | A substrate channel in the nitrogenase MoFe protein. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 1015-22 | 3.7 | 30 |
| 32 | Fe protein-independent substrate reduction by nitrogenase MoFe protein variants. <i>Biochemistry</i> , 2015 , 54, 2456-62 | 3.2 | 29 |
| 31 | Stereospecificity of acetylene reduction catalyzed by nitrogenase. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1822-7 | 16.4 | 29 |
| 30 | Electrocatalytic CO reduction catalyzed by nitrogenase MoFe and FeFe proteins. <i>Bioelectrochemistry</i> , 2018 , 120, 104-109 | 5.6 | 29 |
| 29 | Nitrite and hydroxylamine as nitrogenase substrates: mechanistic implications for the pathway of N ₂ reduction. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12776-83 | 16.4 | 28 |
| 28 | Sequential and differential interaction of assembly factors during nitrogenase MoFe protein maturation. <i>Journal of Biological Chemistry</i> , 2018 , 293, 9812-9823 | 5.4 | 27 |
| 27 | Detection of a New Radical and FeMo-Cofactor EPR Signal during Acetylene Reduction by the E ₁ H195Q Mutant of Nitrogenase. <i>Journal of the American Chemical Society</i> , 1999 , 121, 9457-9458 | 16.4 | 25 |
| 26 | Negative cooperativity in the nitrogenase Fe protein electron delivery cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5783-E5791 | 11.5 | 25 |
| 25 | Kinetic Understanding of N Reduction versus H Evolution at the E(4H) Janus State in the Three Nitrogenases. <i>Biochemistry</i> , 2018 , 57, 5706-5714 | 3.2 | 25 |

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| 24 | Steric control of the Hi-CO MoFe nitrogenase complex revealed by stopped-flow infrared spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 272-5 | 16.4 | 23 |
| 23 | VnFY is required for full activity of the vanadium-containing dinitrogenase in <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 2383-6 | 3.5 | 22 |
| 22 | Co-ordination and fine-tuning of nitrogen fixation in <i>Azotobacter vinelandii</i> . <i>Molecular Microbiology</i> , 2011 , 79, 1132-5 | 4.1 | 18 |
| 21 | Hydride Conformers of the Nitrogenase FeMo-cofactor Two-Electron Reduced State E(2H), Assigned Using Cryogenic Intra Electron Paramagnetic Resonance Cavity Photolysis. <i>Inorganic Chemistry</i> , 2018 , 57, 6847-6852 | 5.1 | 17 |
| 20 | Biosynthesis of the nitrogenase active-site cofactor precursor NifB-co in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 25078-25086 | 11.5 | 16 |
| 19 | Nitrogen Fixation 2017 , 1-21 | | 12 |
| 18 | Electron Redistribution within the Nitrogenase Active Site FeMo-Cofactor During Reductive Elimination of H to Achieve N ₂ N Triple-Bond Activation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21679-21690 | 16.4 | 11 |
| 17 | Temperature invariance of the nitrogenase electron transfer mechanism. <i>Biochemistry</i> , 2012 , 51, 8391-8392 | 3.2 | 11 |
| 16 | Nitrogenase iron-molybdenum cofactor binding site: Protein conformational changes associated with cofactor binding. <i>Tetrahedron</i> , 1997 , 53, 11971-11984 | 2.4 | 11 |
| 15 | The NifZ accessory protein has an equivalent function in maturation of both nitrogenase MoFe protein P-clusters. <i>Journal of Biological Chemistry</i> , 2019 , 294, 6204-6213 | 5.4 | 10 |
| 14 | Construction and characterization of a heterodimeric iron protein: defining roles for adenosine triphosphate in nitrogenase catalysis. <i>Biochemistry</i> , 2000 , 39, 7221-8 | 3.2 | 10 |
| 13 | Exploring Electron/Proton Transfer and Conformational Changes in the Nitrogenase MoFe Protein and FeMo-cofactor Through Cryoreduction/EPR Measurements. <i>Israel Journal of Chemistry</i> , 2016 , 56, 841-851 | 3.4 | 10 |
| 12 | Comment on "Structural evidence for a dynamic metallocofactor during N reduction by Mo-nitrogenase". <i>Science</i> , 2021 , 371, | 33.3 | 10 |
| 11 | Steric Control of the Hi-CO MoFe Nitrogenase Complex Revealed by Stopped-Flow Infrared Spectroscopy. <i>Angewandte Chemie</i> , 2011 , 123, 286-289 | 3.6 | 8 |
| 10 | CO as a substrate and inhibitor of H ₂ reduction for the Mo-, V-, and Fe-nitrogenase isozymes. <i>Journal of Inorganic Biochemistry</i> , 2020 , 213, 111278 | 4.2 | 8 |
| 9 | Time-Resolved EPR Study of H ₂ Reductive Elimination from the Photoexcited Nitrogenase Janus E(4H) Intermediate. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8823-8828 | 3.4 | 7 |
| 8 | Q-Band ENDOR Studies of the Nitrogenase MoFe Protein under Turnover Conditions. <i>ACS Symposium Series</i> , 2003 , 150-178 | 0.4 | 6 |
| 7 | The electronic structure of FeV-cofactor in vanadium-dependent nitrogenase. <i>Chemical Science</i> , 2021 , 12, 6913-6922 | 9.4 | 6 |

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| 6 | Application of affinity purification methods for analysis of the nitrogenase system from <i>Azotobacter vinelandii</i> . <i>Methods in Enzymology</i> , 2018 , 613, 231-255 | 1.7 | 6 |
| 5 | Role of the Iron-Molybdenum Cofactor Polypeptide Environment in <i>Azotobacter vinelandii</i> Molybdenum-Nitrogenase Catalysis. <i>ACS Symposium Series</i> , 1993 , 216-230 | 0.4 | 5 |
| 4 | Trading Places-Switching Frataxin Function by a Single Amino Acid Substitution within the [Fe-S] Cluster Assembly Scaffold. <i>PLoS Genetics</i> , 2015 , 11, e1005192 | 6 | 2 |
| 3 | Specificity of NifEN and VnfEN for the Assembly of Nitrogenase Active Site Cofactors in <i>Azotobacter vinelandii</i> . <i>MBio</i> , 2021 , 12, e0156821 | 7.8 | 2 |
| 2 | Exploring the Role of the Central Carbide of the Nitrogenase Active-Site FeMo-cofactor through Targeted C Labeling and ENDOR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9183-9190 ¹ | 16.4 | 1 |
| 1 | A conformational role for NifW in the maturation of molybdenum nitrogenase P-cluster.. <i>Chemical Science</i> , 2022 , 13, 3489-3500 | 9.4 | 1 |