

# Anne M Henstra

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,635  
citations

393982

19  
h-index

642321

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1768  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Microbiology of synthesis gas fermentation for biofuel production. <i>Current Opinion in Biotechnology</i> , 2007, 18, 200-206.   | 3.3 | 404       |
| 2  | Metabolic engineering of <i>Clostridium autoethanogenum</i> for selective alcohol production. <i>Metabolic Engineering</i> , 2017, 40, 104-114.   | 3.6 | 178       |
| 3  | Diversity and ecophysiological features of thermophilic carboxydophilic anaerobes. <i>FEMS Microbiology Ecology</i> , 2009, 68, 131-141.  | 1.3 | 106       |
| 4  | Microbial CO Conversions with Applications in Synthesis Gas Purification and Bio-Desulfurization. <i>Critical Reviews in Biotechnology</i> , 2006, 26, 41-65.   | 5.1 | 97        |
| 5  | Syntrophic Growth on Formate: a New Microbial Niche in Anoxic Environments. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6126-6131.  | 1.4 | 94        |
| 6  | Sulfidogenesis under extremely haloalkaline conditions by <i>Desulfonatospira thiodismutans</i> gen. nov., sp. nov., and <i>Desulfonatospira delicata</i> sp. nov. - a novel lineage of Deltaproteobacteria from hypersaline soda lakes. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1444-1453. | 0.7 | 92        |
| 7  | A roadmap for gene system development in <i>Clostridium</i> . <i>Anaerobe</i> , 2016, 41, 104-112.  | 1.0 | 90        |
| 8  | Insights into CO <sub>2</sub> Fixation Pathway of <i>Clostridium autoethanogenum</i> by Targeted Mutagenesis. <i>MBio</i> , 2016, 7, .  | 1.8 | 83        |
| 9  | Novel Physiological Features of <i>Carboxydotherrmus hydrogenoformans</i> and <i>Thermoterrabacterium ferrireducens</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 7236-7240.  | 1.4 | 66        |
| 10 | <i>Archaeoglobus fulgidus</i> couples CO oxidation to sulfate reduction and acetogenesis with transient formate accumulation. <i>Environmental Microbiology</i> , 2007, 9, 1836-1841.   | 1.8 | 64        |
| 11 | Whole genome sequence and manual annotation of <i>Clostridium autoethanogenum</i> , an industrially relevant bacterium. <i>BMC Genomics</i> , 2015, 16, 1085.   | 1.2 | 56        |
| 12 | Complete genome sequence of <i>Syntrophobacter fumaroxidans</i> strain (MPOBT). <i>Standards in Genomic Sciences</i> , 2012, 7, 91-106.   | 1.5 | 55        |
| 13 | Atypical one-carbon metabolism of an acetogenic and hydrogenogenic <i>Moorella thermoacetica</i> strain. <i>Archives of Microbiology</i> , 2009, 191, 123-131.  | 1.0 | 37        |
| 14 | Structural, mass and elemental analyses of storage granules in methanogenic archaeal cells. <i>Environmental Microbiology</i> , 2011, 13, 2587-2599.  | 1.8 | 34        |
| 15 | A novel conjugal donor strain for improved DNA transfer into <i>Clostridium</i> spp.. <i>Anaerobe</i> , 2019, 59, 184-191.  | 1.0 | 32        |
| 16 | Carboxydophilic growth of <i>Geobacter sulfurreducens</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 997-1007.  | 1.7 | 28        |
| 17 | Deep Conversion of Carbon Monoxide to Hydrogen and Formation of Acetate by the Anaerobic Thermophile <i>Carboxydotherrmus hydrogenoformans</i> . <i>International Journal of Microbiology</i> , 2011, 2011, 1-4.  | 0.9 | 25        |
| 18 | Quantitative Isotope-Dilution High-Resolution-Mass-Spectrometry Analysis of Multiple Intracellular Metabolites in <i>Clostridium autoethanogenum</i> with Uniformly <sup>13</sup> C-Labeled Standards Derived from <i>Spirulina</i> . <i>Analytical Chemistry</i> , 2018, 90, 4470-4477.              | 3.2 | 25        |

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|----|--|-----|-----------|
| 19 | Engineering of vitamin prototrophy in <i>Clostridium ljungdahlii</i> and <i>Clostridium autoethanogenum</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4633-4648.                                      | 1.7 | 25        |
| 20 | Genome-scale model of <i>C. autoethanogenum</i> reveals optimal bioprocess conditions for high-value chemical production from carbon monoxide. <i>Engineering Biology</i> , 2019, 3, 32-40.                              | 0.8 | 19        |
| 21 | The carbonic anhydrase of <i>Clostridium autoethanogenum</i> represents a new subclass of $\hat{1}^2$ -carbonic anhydrases. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7275-7286.                        | 1.7 | 11        |
| 22 | Required Gene Set for Autotrophic Growth of <i>Clostridium autoethanogenum</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, e0247921.   | 1.4 | 9         |
| 23 | Quantitative Bioreactor Monitoring of Intracellular Bacterial Metabolites in <i>Clostridium autoethanogenum</i> Using Liquid Chromatography-Isotope Dilution Mass Spectrometry. <i>ACS Omega</i> , 2021, 6, 13518-13526. | 1.6 | 4         |