

# Abby D Benninghoff

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

1,359  
citations

19  
h-index

36  
g-index

60  
ext. papers

1,661  
ext. citations

4.9  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
56	Flavonol-Based Carbon Monoxide Delivery Molecule with Endoplasmic Reticulum, Mitochondria, And Lysosome Localization.. <i>ACS Medicinal Chemistry Letters</i> , <b>2022</b> , 13, 236-242	4.3	2
55	Silica Induction of Diverse Inflammatory Proteome in Lungs of Lupus-Prone Mice Quelled by Dietary Docosahexaenoic Acid Supplementation.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 781446	8.4	0
54	The Western Dietary Pattern Combined with Vancomycin-Mediated Changes to the Gut Microbiome Exacerbates Colitis Severity and Colon Tumorigenesis. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	3
53	Dynamics of small non-coding RNAs in bovine scNT embryos through the maternal-to-embryonic transition <i>Biology of Reproduction</i> , <b>2021</b> , 105, 918-933	3.9	2
52	Rapid Induction of Pulmonary Inflammation, Autoimmune Gene Expression, and Ectopic Lymphoid Neogenesis Following Acute Silica Exposure in Lupus-Prone Mice. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 635138	8.4	5
51	Influence of total western diet on docosahexaenoic acid suppression of silica-triggered lupus flaring in NZBWF1 mice. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233183	3.7	4
50	Consumption of the Total Western Diet Promotes Colitis and Inflammation-Associated Colorectal Cancer in Mice. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	15
49	Food matrix and the microbiome: considerations for preclinical chronic disease studies. <i>Nutrition Research</i> , <b>2020</b> , 78, 1-10	4	6
48	CO Sense and Release Flavonols: Progress toward the Development of an Analyte Replacement PhotoCORM for Use in Living Cells. <i>ACS Omega</i> , <b>2020</b> , 5, 10021-10033	3.9	7
47	Development of Triggerable, Trackable, and Targetable Carbon Monoxide Releasing Molecules. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 2273-2285	24.3	31
46	Omega-3 fatty acid intake suppresses induction of diverse autoantibody repertoire by crystalline silica in lupus-prone mice. <i>Autoimmunity</i> , <b>2020</b> , 53, 415-433	3	8
45	Requisite Omega-3 HUFA Biomarker Thresholds for Preventing Murine Lupus Flaring. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1796	8.4	8
44	Extracellular vs Intracellular Delivery of CO: Does It Matter for a Stable, Diffusible Gasotransmitter?. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 9990-9995	8.3	15
43	Mapping of Dynamic Transcriptome Changes Associated With Silica-Triggered Autoimmune Pathogenesis in the Lupus-Prone NZBWF1 Mouse. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 632	8.4	12
42	The maternal-to-zygotic transition in bovine in vitro-fertilized embryos is associated with marked changes in small non-coding RNAs <i>Biology of Reproduction</i> , <b>2019</b> , 100, 331-350	3.9	13
41	Basal Diet Determined Long-Term Composition of the Gut Microbiome and Mouse Phenotype to a Greater Extent than Fecal Microbiome Transfer from Lean or Obese Human Donors. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	15
40	Docosahexaenoic Acid Consumption Impedes Early Interferon- and Chemokine-Related Gene Expression While Suppressing Silica-Triggered Flaring of Murine Lupus. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2851	8.4	12

39	Modeling the Western Diet for Preclinical Investigations. <i>Advances in Nutrition</i> , <b>2018</b> , 9, 263-271	10	40
38	Visible-Light-Activated Quinolone Carbon-Monoxide-Releasing Molecule: Prodrug and Albumin-Assisted Delivery Enables Anticancer and Potent Anti-Inflammatory Effects. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9721-9729	16.4	65
37	Genetic and epigenetic regulation of major histocompatibility complex class I gene expression in bovine trophoblast cells. <i>American Journal of Reproductive Immunology</i> , <b>2018</b> , 79, e12779	3.8	12
36	Dietary Docosahexaenoic Acid Prevents Silica-Induced Development of Pulmonary Ectopic Germinal Centers and Glomerulonephritis in the Lupus-Prone NZBWF1 Mouse. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2002	8.4	28
35	Mitochondrial-Localized Versus Cytosolic Intracellular CO-Releasing Organic PhotoCORMs: Evaluation of CO Effects Using Bioenergetics. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2220-2228	4.9	30
34	DNA methylation in lung tissues of mouse offspring exposed in utero to polycyclic aromatic hydrocarbons. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 109, 703-713	4.7	7
33	Consumption of the total Western diet differentially affects the response to green tea in rodent models of chronic disease compared to the AIN93G diet. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600720	5.9	11
32	Data on the effect of in utero exposure to polycyclic aromatic hydrocarbons on genome-wide patterns of DNA methylation in lung tissues. <i>Data in Brief</i> , <b>2017</b> , 13, 498-513	1.2	2
31	Sense and Release: A Thiol-Responsive Flavonol-Based Photonically Driven Carbon Monoxide-Releasing Molecule That Operates via a Multiple-Input AND Logic Gate. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9435-9438	16.4	79
30	An HS-sensing/CO-releasing Flavonol that Operates via Logic Gates. <i>ChemPlusChem</i> , <b>2017</b> , 82, 1408-1412	2.8	16
29	The new total Western diet for rodents does not induce an overweight phenotype or alter parameters of metabolic syndrome in mice. <i>Nutrition Research</i> , <b>2016</b> , 36, 1031-1044	4	15
28	DNA methylation of the LIN28 pseudogene family. <i>BMC Genomics</i> , <b>2015</b> , 16, 287	4.5	4
27	A Structurally-Tunable 3-Hydroxyflavone Motif for Visible Light-Induced Carbon Monoxide-Releasing Molecules (CORMs). <i>ChemistryOpen</i> , <b>2015</b> , 4, 590-4	2.3	69
26	Promotion of inflammation-associated colon tumorigenesis by the total Western diet in the APCmin/+ mouse. <i>FASEB Journal</i> , <b>2015</b> , 29, 753.10	0.9	
25	The Effect of Dietary Polyunsaturated Acid (PUFA) Concentration and n6:n3 Ratio on Azoxymethane + Dextran Sodium Sulfate (AOM+DSS) Inflammation-Associated Colorectal Cancer (CRC). <i>FASEB Journal</i> , <b>2015</b> , 29, 753.6	0.9	
24	Photochemical Reactivity of Ru(II)( $\beta$ -p-cymene) Flavonolato Compounds. <i>Organometallics</i> , <b>2014</b> , 33, 6341-6351	6.35	19
23	Broad scope method for creating humanized animal models for animal health and disease research through antibiotic treatment and human fecal transfer. <i>Gut Microbes</i> , <b>2014</b> , 5, 183-91	8.8	58
22	The micronutrient profile of the typical American diet enhances colorectal carcinogenesis in mice (123.4). <i>FASEB Journal</i> , <b>2014</b> , 28, 123.4	0.9	

21	Formulation of the Total Western Diet 2, a whole food-based rodent diet that emulates average American micro- and macronutrient intakes for colorectal cancer and gut microflora studies (816.6). <i>FASEB Journal</i> , <b>2014</b> , 28, 816.6	0.9	
20	The role of estrogen receptor in transplacental cancer prevention by indole-3-carbinol. <i>Cancer Prevention Research</i> , <b>2013</b> , 6, 339-48	3.2	18
19	Longitudinal study of reproductive performance of female cattle produced by somatic cell nuclear transfer. <i>PLoS ONE</i> , <b>2013</b> , 8, e84283	3.7	8
18	Impact of a new total Western diet for rodents on metabolic health and colorectal carcinogenesis. <i>FASEB Journal</i> , <b>2013</b> , 27, 863.5	0.9	
17	Formulation of the Total Western Diet (TWD) as a basal diet for rodent cancer studies. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 6736-42	5.7	33
16	Promotion of hepatocarcinogenesis by perfluoroalkyl acids in rainbow trout. <i>Toxicological Sciences</i> , <b>2012</b> , 125, 69-78	4.4	27
15	3,3SDiindolylmethane induces G1 arrest and apoptosis in human acute T-cell lymphoblastic leukemia cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e34975	3.7	23
14	Estrogen-like activity of perfluoroalkyl acids in vivo and interaction with human and rainbow trout estrogen receptors in vitro. <i>Toxicological Sciences</i> , <b>2011</b> , 120, 42-58	4.4	148
13	Identification of estrogen-responsive vitelline envelope protein fragments from rainbow trout ( <i>Oncorhynchus mykiss</i> ) plasma using mass spectrometry. <i>Molecular Reproduction and Development</i> , <b>2010</b> , 77, 963-70	2.6	2
12	Characterization of sulfoxxygenation and structural implications of human flavin-containing monooxygenase isoform 2 (FMO2.1) variants S195L and N413K. <i>Drug Metabolism and Disposition</i> , <b>2009</b> , 37, 1785-91	4	9
11	Rainbow trout ( <i>Oncorhynchus mykiss</i> ) and ultra-low dose cancer studies. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2009</b> , 149, 175-81	3.2	17
10	Identification of a transcriptional fingerprint of estrogen exposure in rainbow trout liver. <i>Toxicological Sciences</i> , <b>2008</b> , 101, 65-80	4.4	51
9	Genomic profiling reveals an alternate mechanism for hepatic tumor promotion by perfluorooctanoic acid in rainbow trout. <i>Environmental Health Perspectives</i> , <b>2008</b> , 116, 1047-55	8.4	57
8	Ontogeny of the gastrointestinal tract and selected digestive enzymes in cobia <i>Rachycentron canadum</i> (L.). <i>Journal of Fish Biology</i> , <b>2007</b> , 70, 567-583	1.9	62
7	Developmental expression of the G protein-coupled receptor 54 and three GnRH mRNAs in the teleost fish cobia. <i>Journal of Molecular Endocrinology</i> , <b>2007</b> , 38, 235-44	4.5	80
6	Toxicoproteomics--the next step in the evolution of environmental biomarkers. <i>Toxicological Sciences</i> , <b>2007</b> , 95, 1-4	4.4	61
5	Gonadotropin regulation of testosterone production by primary cultured theca and granulosa cells of Atlantic croaker: II. Involvement of a mitogen-activated protein kinase pathway. <i>General and Comparative Endocrinology</i> , <b>2006</b> , 147, 288-96	3	10
4	Gonadotropin regulation of testosterone production by primary cultured theca and granulosa cells of Atlantic croaker: I. Novel role of CaMKs and interactions between calcium- and adenylyl cyclase-dependent pathways. <i>General and Comparative Endocrinology</i> , <b>2006</b> , 147, 276-87	3	18

- 3 Progestin, estrogen and androgen G-protein coupled receptors in fish gonads. *Steroids*, **2006**, 71, 310-6 2.8 98
- 2 Involvement of calcium and calmodulin in the regulation of ovarian steroidogenesis in Atlantic croaker (*Micropogonias undulatus*) and modulation by Aroclor 1254. *General and Comparative Endocrinology*, **2005**, 144, 211-23 3 21
- 1 Interactions of calcium and cyclic AMP signaling pathways regulating steroidogenesis in primary cultured theca and granulosa cells of Atlantic croaker. *Fish Physiology and Biochemistry*, **2003**, 28, 327-328 2.7 2