

# Matthew G K Benesch

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,417  
citations

304743

22  
h-index

330143

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid phosphate phosphatases and their roles in mammalian physiology and pathology. <i>Journal of Lipid Research</i> , 2015, 56, 2048-2060.	4.2	111
2	Autotaxin in the crosshairs: Taking aim at cancer and other inflammatory conditions. <i>FEBS Letters</i> , 2014, 588, 2712-2727.	2.8	102
3	Oxidative stress contributes to the tamoxifen-induced killing of breast cancer cells: implications for tamoxifen therapy and resistance. <i>Scientific Reports</i> , 2016, 6, 21164.	3.3	97
4	Inhibition of autotaxin delays breast tumor growth and lung metastasis in mice. <i>FASEB Journal</i> , 2014, 28, 2655-2666.	0.5	94
5	Regulation of autotaxin expression and secretion by lysophosphatidate and sphingosine 1-phosphate. <i>Journal of Lipid Research</i> , 2015, 56, 1134-1144.	4.2	93
6	Lysophosphatidate signaling stabilizes Nrf2 and increases the expression of genes involved in drug resistance and oxidative stress responses: implications for cancer treatment. <i>FASEB Journal</i> , 2015, 29, 772-785.	0.5	83
7	Tumor-induced inflammation in mammary adipose tissue stimulates a vicious cycle of autotaxin expression and breast cancer progression. <i>FASEB Journal</i> , 2015, 29, 3990-4000.	0.5	82
8	Recent advances in targeting the autotaxin-lysophosphatidate-lipid phosphate phosphatase axis in vivo. <i>Journal of Biomedical Research</i> , 2016, 30, 272.	1.6	58
9	Coming of Age for Autotaxin and Lysophosphatidate Signaling: Clinical Applications for Preventing, Detecting and Targeting Tumor-Promoting Inflammation. <i>Cancers</i> , 2018, 10, 73.	3.7	57
10	Epidemiology of Signet Ring Cell Adenocarcinomas. <i>Cancers</i> , 2020, 12, 1544.	3.7	51
11	Autotaxin is an inflammatory mediator and therapeutic target in thyroid cancer. <i>Endocrine-Related Cancer</i> , 2015, 22, 593-607.	3.1	48
12	Lysophosphatidate Signaling: The Tumor Microenvironment's New Nemesis. <i>Trends in Cancer</i> , 2017, 3, 748-752.	7.4	42
13	Lipid phosphate phosphatase-1 expression in cancer cells attenuates tumor growth and metastasis in mice. <i>Journal of Lipid Research</i> , 2014, 55, 2389-2400.	4.2	39
14	Implications for breast cancer treatment from increased autotaxin production in adipose tissue after radiotherapy. <i>FASEB Journal</i> , 2017, 31, 4064-4077.	0.5	35
15	Inhibition of Autotaxin with GLPG1690 Increases the Efficacy of Radiotherapy and Chemotherapy in a Mouse Model of Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 63-74.	4.1	34
16	A Calorimetric and Spectroscopic Comparison of the Effects of Lathosterol and Cholesterol on the Thermotropic Phase Behavior and Organization of Dipalmitoylphosphatidylcholine Bilayer Membranes. <i>Biochemistry</i> , 2011, 50, 9982-9997.	2.5	32
17	Role of Adipose Tissue-Derived Autotaxin, Lysophosphatidate Signaling, and Inflammation in the Progression and Treatment of Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5938.	4.1	31
18	A comparative calorimetric study of the effects of cholesterol and the plant sterols campesterol and brassicasterol on the thermotropic phase behavior of dipalmitoylphosphatidylcholine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1941-1949.	2.6	29

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19	PDGFR $\beta$ Regulates Follicular Cell Differentiation Driving Treatment Resistance and Disease Recurrence in Papillary Thyroid Cancer. <i>EBioMedicine</i> , 2016, 12, 86-97.	6.1	28
20	Autotaxin and Breast Cancer: Towards Overcoming Treatment Barriers and Sequelae. <i>Cancers</i> , 2020, 12, 374.	3.7	27
21	Role of the autotaxin $\beta$ -lysophosphatidate axis in the development of resistance to cancer therapy. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158716.	2.4	25
22	On the miscibility of cardiolipin with 1,2-diacyl phosphoglycerides: Binary mixtures of dimyristoylphosphatidylethanolamine and tetramyristoylcardiolipin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 774-783.	2.6	24
23	Latent Cytomegalovirus Infection in Female Mice Increases Breast Cancer Metastasis. <i>Cancers</i> , 2019, 11, 447.	3.7	21
24	Epidemiology of Mucinous Adenocarcinomas. <i>Cancers</i> , 2020, 12, 3193.	3.7	19
25	A DSC and FTIR spectroscopic study of the effects of the epimeric 4-cholesten-3-ols and 4-cholesten-3-one on the thermotropic phase behaviour and organization of dipalmitoylphosphatidylcholine bilayer membranes: Comparison with their 5-cholesten analogues. <i>Chemistry and Physics of Lipids</i> , 2014, 177, 71-90.	3.2	15
26	A comparative calorimetric and spectroscopic study of the effects of cholesterol and of the plant sterols $\beta$ -sitosterol and stigmasterol on the thermotropic phase behavior and organization of dipalmitoylphosphatidylcholine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1629-1638.	2.6	15
27	CDH1 Gene Mutation Hereditary Diffuse Gastric Cancer Outcomes: Analysis of a Large Cohort, Systematic Review of Endoscopic Surveillance, and Secondary Cancer Risk Postulation. <i>Cancers</i> , 2021, 13, 2622.	3.7	15
28	RASSF1A Site-Specific Methylation Hotspots in Cancer and Correlation with RASSF1C and MOAP-1. <i>Cancers</i> , 2016, 8, 55.	3.7	14
29	A calorimetric and spectroscopic comparison of the effects of cholesterol and its sulfur-containing analogs thiocholesterol and cholesterol sulfate on the thermotropic phase behavior and organization of dipalmitoylphosphatidylcholine bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 168-180.	2.6	12
30	Sterol chemical configuration influences the thermotropic phase behaviour of dipalmitoylphosphatidylcholine bilayers containing 5 $\beta$ -cholestan-3 $\beta$ - and 3 $\beta$ -ol. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 62-69.	3.2	10
31	Sterol chemical configuration and conformation influence the thermotropic phase behaviour of dipalmitoylphosphatidylcholine mixtures containing 5 $\beta$ -cholestan-3 $\beta$ - and -3 $\beta$ -ol. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 70-77.	3.2	10
32	On the miscibility of cardiolipin with 1,2-diacyl phosphoglycerides: Binary mixtures of dimyristoylphosphatidylglycerol and tetramyristoylcardiolipin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2878-2888.	2.6	10
33	A comparative differential scanning calorimetry study of the effects of cholesterol and various oxysterols on the thermotropic phase behavior of dipalmitoylphosphatidylcholine bilayer membranes. <i>Chemistry and Physics of Lipids</i> , 2016, 195, 21-33.	3.2	9
34	A DSC and FTIR spectroscopic study of the effects of the epimeric 4,6-cholestadien-3-ols and 4,6-cholestadien-3-one on the thermotropic phase behaviour and organization of dipalmitoylphosphatidylcholine bilayer membranes. <i>Chemistry and Physics of Lipids</i> , 2014, 183, 142-158.	3.2	8
35	A DSC and FTIR spectroscopic study of the effects of the epimeric cholestan-3-ols and cholestan-3-one on the thermotropic phase behavior and organization of dipalmitoylphosphatidylcholine bilayer membranes: Comparison with their 5-cholesten analogs. <i>Chemistry and Physics of Lipids</i> , 2015, 187, 34-49.	3.2	8
36	Conserved Residues in the N Terminus of Lipin-1 Are Required for Binding to Protein Phosphatase-1c, Nuclear Translocation, and Phosphatidate Phosphatase Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 10876-10886.	3.4	7

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37	A calorimetric and spectroscopic comparison of the effects of cholesterol and its immediate biosynthetic precursors 7-dehydrocholesterol and desmosterol on the thermotropic phase behavior and organization of dipalmitoylphosphatidylcholine bilayer membranes. <i>Chemistry and Physics of Lipids</i> , 2015, 191, 123-135.	3.2	6
38	A DSC and FTIR spectroscopic study of the effects of the epimeric coprostan-3-ols and coprostan-3-one on the thermotropic phase behaviour and organization of dipalmitoylphosphatidylcholine bilayer membranes: Comparison with their 5-cholesten analogues. <i>Chemistry and Physics of Lipids</i> , 2015, 188, 10-26.	3.2	6
39	Autotaxin – An Enzymatic Augmenter of Malignant Progression Linked to Inflammation. , 2015, , .		5
40	Novel psychoactive substances: overdose of 3-fluorophenmetrazine (3-FPM) and etizolam in a 33-year-old man. <i>BMJ Case Reports</i> , 2018, 2018, bcr-2018-224995.	0.5	4
41	Pneumatosis Intestinalis of the Colon and Greater Omentum following Small Bowel Resection. <i>Case Reports in Surgery</i> , 2022, 2022, 1-4.	0.4	1
42	Necrotizing fasciitis from perforated sigmoid diverticulitis with subsequent pyoderma gangrenosum: a case report. <i>Journal of Surgical Case Reports</i> , 2020, 2020, rjaa282.	0.4	0
43	Endoscopic management of a nail-magnet aggregation impacted in the terminal ileum: a case report. <i>Journal of Surgical Case Reports</i> , 2021, 2021, rjab259.	0.4	0
44	Scientific Overview on CSCI-CITAC Annual General Meeting and 2016 Young Investigators™ Forum. <i>Clinical and Investigative Medicine</i> , 2017, 40, E211-E217.	0.6	0
45	Gastric Signet-Ring-Cell Adenocarcinoma with Delayed Retroperitoneal Metastasis and Fibrosis. <i>Case Reports in Oncology</i> , 2022, 15, 114-119.	0.7	0