

# Barbara Wegiel

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,410  
citations

257101

24  
h-index

344852

36  
g-index

41  
all docs

41  
docs citations

41  
times ranked

4027  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Carbon Monoxide Expedites Metabolic Exhaustion to Inhibit Tumor Growth. <i>Cancer Research</i> , 2013, 73, 7009-7021.   | 0.4 | 295       |
| 2  | Hypoxia-inducible factor 1 $\hat{A}$ stabilization by carbon monoxide results in cytoprotective preconditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5109-5114.                           | 3.3 | 192       |
| 3  | Macrophages sense and kill bacteria through carbon monoxide $\hat{A}$ dependent inflammasome activation. <i>Journal of Clinical Investigation</i> , 2014, 124, 4926-4940.   | 3.9 | 151       |
| 4  | Interleukin $\hat{A}$ 6 activates PI3K/Akt pathway and regulates cyclin A1 to promote prostate cancer cell survival. <i>International Journal of Cancer</i> , 2008, 122, 1521-1529.   | 2.3 | 142       |
| 5  | Heme Oxygenase-1: A Metabolic Nike. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1709-1722.  | 2.5 | 141       |
| 6  | Go Green: The Anti-Inflammatory Effects of Biliverdin Reductase. <i>Frontiers in Pharmacology</i> , 2012, 3, 47.  | 1.6 | 109       |
| 7  | Deletion of Lactate Dehydrogenase-A in Myeloid Cells Triggers Antitumor Immunity. <i>Cancer Research</i> , 2017, 77, 3632-3643.   | 0.4 | 102       |
| 8  | Blockade of Lactate Dehydrogenase-A (LDH-A) Improves Efficacy of Anti-Programmed Cell Death-1 (PD-1) Therapy in Melanoma. <i>Cancers</i> , 2019, 11, 450.   | 1.7 | 101       |
| 9  | Cell Surface Biliverdin Reductase Mediates Biliverdin-induced Anti-inflammatory Effects via Phosphatidylinositol 3-Kinase and Akt. <i>Journal of Biological Chemistry</i> , 2009, 284, 21369-21378.   | 1.6 | 93        |
| 10 | The social network of carbon monoxide in medicine. <i>Trends in Molecular Medicine</i> , 2013, 19, 3-11.  | 3.5 | 92        |
| 11 | Biliverdin inhibits Toll-like receptor-4 (TLR4) expression through nitric oxide-dependent nuclear translocation of biliverdin reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18849-18854. | 3.3 | 91        |
| 12 | Metabolic Switch in the Tumor Microenvironment Determines Immune Responses to Anti-cancer Therapy. <i>Frontiers in Oncology</i> , 2018, 8, 284.   | 1.3 | 80        |
| 13 | Multiple Cellular Mechanisms Related to Cyclin A1 in Prostate Cancer Invasion and Metastasis. <i>Journal of the National Cancer Institute</i> , 2008, 100, 1022-1036.   | 3.0 | 76        |
| 14 | Heme oxygenase-1 and carbon monoxide modulate DNA repair through ataxia-telangiectasia mutated (ATM) protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14491-14496.                            | 3.3 | 69        |
| 15 | Bilirubin suppresses Th17 immunity in colitis by upregulating CD39. <i>JCI Insight</i> , 2017, 2, .   | 2.3 | 67        |
| 16 | Heme as a danger molecule in pathogen recognition. <i>Free Radical Biology and Medicine</i> , 2015, 89, 651-661.  | 1.3 | 63        |
| 17 | Cystatin C Is Downregulated in Prostate Cancer and Modulates Invasion of Prostate Cancer Cells via MAPK/Erk and Androgen Receptor Pathways. <i>PLoS ONE</i> , 2009, 4, e7953.   | 1.1 | 62        |
| 18 | Heme-Derived Metabolic Signals Dictate Immune Responses. <i>Frontiers in Immunology</i> , 2020, 11, 66.   | 2.2 | 58        |

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|----|---|-----|-----------|
| 19 | A role for cyclin A1 in mediating the autocrine expression of vascular endothelial growth factor in prostate cancer. <i>Oncogene</i> , 2005, 24, 6385-6393.   | 2.6 | 55        |
| 20 | Role and Regulation of Myeloid Zinc Finger Protein 1 in Cancer. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2146-2154.   | 1.2 | 55        |
| 21 | Heme oxygenase-1 in macrophages controls prostate cancer progression. <i>Oncotarget</i> , 2015, 6, 33675-33688.   | 0.8 | 44        |
| 22 | Alterations of tumor microenvironment by carbon monoxide impedes lung cancer growth. <i>Oncotarget</i> , 2016, 7, 23919-23932.  | 0.8 | 40        |
| 23 | Biliverdin modulates the expression of C5aR in response to endotoxin in part via mTOR signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 94-99.   | 1.0 | 37        |
| 24 | Heme detoxification by heme oxygenase-1 reinstates proliferative and immune balances upon genotoxic tissue injury. <i>Cell Death and Disease</i> , 2019, 10, 72.  | 2.7 | 35        |
| 25 | Scavenging of Labile Heme by Hemopexin Is a Key Checkpoint in Cancer Growth and Metastases. <i>Cell Reports</i> , 2020, 32, 108181.   | 2.9 | 27        |
| 26 | Inhale to survive, cycle or die? Carbon monoxide and cellular proliferation. <i>Cell Cycle</i> , 2008, 7, 1379-1384.  | 1.3 | 24        |
| 27 | Novel synthetic chalcones induce apoptosis in the A549 non-small cell lung cancer cells harboring a KRAS mutation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5703-5706.                                       | 1.0 | 23        |
| 28 | Carbon monoxide induces chromatin remodelling to facilitate endothelial cell migration. <i>Thrombosis and Haemostasis</i> , 2014, 111, 951-959.   | 1.8 | 19        |
| 29 | Deletion of Biliverdin Reductase A in Myeloid Cells Promotes Chemokine Expression and Chemotaxis in Part via a Complement C5aR1 Pathway. <i>Journal of Immunology</i> , 2019, 202, 2982-2990.                                     | 0.4 | 16        |
| 30 | HO-1 and Heme: G-Quadruplex Interaction Choreograph DNA Damage Responses and Cancer Growth. <i>Cells</i> , 2021, 10, 1801.  | 1.8 | 14        |
| 31 | Novel indolyl-chalcones target stathmin to induce cancer cell death. <i>Cell Cycle</i> , 2016, 15, 1288-1294.   | 1.3 | 13        |
| 32 | Effect of a novel botanical agent Drynol Cibotin on human osteoblast cells and implications for osteoporosis: promotion of cell growth, calcium uptake and collagen production. <i>Phytotherapy Research</i> , 2010, 24, S139-47. | 2.8 | 7         |
| 33 | A Role of the Heme Degradation Pathway in Shaping Prostate Inflammatory Responses and Lipid Metabolism. <i>American Journal of Pathology</i> , 2020, 190, 830-843.  | 1.9 | 5         |
| 34 | Bacillus Calmette-Guérin (BCG) vaccination to treat endometriosis. <i>Vaccine</i> , 2021, 39, 7353-7356.  | 1.7 | 5         |
| 35 | Labile Heme and Heme Oxygenase-1 Maintain Tumor-Permissive Niche for Endometriosis-Associated Ovarian Cancer. <i>Cancers</i> , 2022, 14, 2242.  | 1.7 | 4         |
| 36 | Measurement of labile and protein-bound heme in fixed prostate cancer cells and in cellular fractions. <i>STAR Protocols</i> , 2021, 2, 100491.   | 0.5 | 3         |

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|----|---|-----|-----------|
| 37 | “Nucleosome debris” provokes coagulation and inflammation. <i>Thrombosis Research</i> , 2016, 137, 1-2.   | 0.8 | 0         |
| 38 | Editorial: Oxidative Stress, Antioxidants, Transcription Factors, and Assimilation of Signal Transduction Pathways in Obesity-Related Disorders. <i>Frontiers in Pharmacology</i> , 2021, 12, 759468. | 1.6 | 0         |
| 39 | Carbon monoxide induces chromatin remodeling to facilitate endothelial cell migration. <i>FASEB Journal</i> , 2013, 27, lb105.  | 0.2 | 0         |
| 40 | Conditional deletion of biliverdin reductase in macrophages determines the sensitivity to acetaminophen injury. <i>FASEB Journal</i> , 2013, 27, lb794.   | 0.2 | 0         |