

Jodie L Babitt

List of Publications by Year in descending order

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66
papers

8,376
citations

87888

38
h-index

128289

60
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67
all docs

67
docs citations

67
times ranked

7925
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination of iron homeostasis by bone morphogenetic proteins: Current understanding and unanswered questions. <i>Developmental Dynamics</i> , 2022, 251, 26-46.	1.8	21
2	Hyperphosphatemia increases inflammation to exacerbate anemia and skeletal muscle wasting independently of FGF23-FGFR4 signaling. <i>ELife</i> , 2022, 11, .	6.0	18
3	BMP Signaling and Iron Homeostasis. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
4	Physiological and pathophysiological mechanisms of hepcidin regulation: clinical implications for iron disorders. <i>British Journal of Haematology</i> , 2021, 193, 882-893.	2.5	37
5	Controversies in optimal anemia management: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Conference. <i>Kidney International</i> , 2021, 99, 1280-1295.	5.2	103
6	Lipocalin 2 stimulates bone fibroblast growth factor 23 production in chronic kidney disease. <i>Bone Research</i> , 2021, 9, 35.	11.4	24
7	Pumping iron in the kidney. <i>Kidney International</i> , 2021, 100, 505-508.	5.2	2
8	Regulation of FGF23: Beyond Bone. <i>Current Osteoporosis Reports</i> , 2021, , 1.	3.6	11
9	Endothelial Bone Morphogenetic Protein 2 (Bmp2) Knockout Exacerbates Hemochromatosis in Homeostatic Iron Regulator (Hfe) Knockout Mice but not Bmp6 Knockout Mice. <i>Hepatology</i> , 2020, 72, 642-655.	7.3	24
10	Erythroferrone lowers hepcidin by sequestering BMP2/6 heterodimer from binding to the BMP type I receptor ALK3. <i>Blood</i> , 2020, 135, 453-456.	1.4	63
11	Bone morphogenic proteins in iron homeostasis. <i>Bone</i> , 2020, 138, 115495.	2.9	35
12	Iron, erythropoietin, and inflammation regulate hepcidin in <i>Bmp2</i> -deficient mice, but serum iron fails to induce hepcidin in <i>Bmp6</i> -deficient mice. <i>American Journal of Hematology</i> , 2019, 94, 240-248.	4.1	23
13	Ablation of Hepatocyte Smad1, Smad5, and Smad8 Causes Severe Tissue Iron Loading and Liver Fibrosis in Mice. <i>Hepatology</i> , 2019, 70, 1986-2002.	7.3	26
14	Ironing out pulmonary arterial hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12604-12606.	7.1	3
15	Nrf2 controls iron homeostasis in haemochromatosis and thalassaemia via Bmp6 and hepcidin. <i>Nature Metabolism</i> , 2019, 1, 519-531.	11.9	88
16	Iron, Hepcidin, and Death in Human AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 493-504.	6.1	41
17	Crosstalk between fibroblast growth factor 23, iron, erythropoietin, and inflammation in kidney disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2019, 28, 304-310.	2.0	23
18	Liver iron sensing and body iron homeostasis. <i>Blood</i> , 2019, 133, 18-29.	1.4	196

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19	Antiviral activity of bone morphogenetic proteins and activins. <i>Nature Microbiology</i> , 2019, 4, 339-351.	13.3	39
20	Paracrine Bone Morphogenetic Protein Signaling in Iron Homeostasis. <i>Blood</i> , 2019, 134, SCI-26-SCI-26.	1.4	0
21	Smad1/5 is required for erythropoietin-mediated suppression of hepcidin in mice. <i>Blood</i> , 2017, 130, 73-83.	1.4	69
22	Overview of iron metabolism in health and disease. <i>Hemodialysis International</i> , 2017, 21, S6-S20.	0.9	288
23	Endothelial cells produce bone morphogenetic protein 6 required for iron homeostasis in mice. <i>Blood</i> , 2017, 129, 405-414.	1.4	176
24	Ironing out the cross talk between FGF23 and inflammation. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F1-F8.	2.7	77
25	Large G protein β -subunit XL β s limits clathrin-mediated endocytosis and regulates tissue iron levels in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9559-E9568.	7.1	9
26	Bone morphogenetic protein 2 controls iron homeostasis in mice independent of Bmp6. <i>American Journal of Hematology</i> , 2017, 92, 1204-1213.	4.1	85
27	Lupus-Like Immune Complex-Mediated Glomerulonephritis in Patients With Hepatitis C Virus Infection Treated With Oral, Interferon-Free, Direct-Acting Antiviral Therapy. <i>Kidney International Reports</i> , 2016, 1, 135-143.	0.8	26
28	The SMAD Pathway Is Required for Hepcidin Response During Endoplasmic Reticulum Stress. <i>Endocrinology</i> , 2016, 157, 3935-3945.	2.8	26
29	Hepcidin regulation in the anemia of inflammation. <i>Current Opinion in Hematology</i> , 2016, 23, 189-197.	2.5	153
30	Activin B Induces Noncanonical SMAD1/5/8 Signaling via BMP Type I Receptors in Hepatocytes: Evidence for a Role in Hepcidin Induction by Inflammation in Male Mice. <i>Endocrinology</i> , 2016, 157, 1146-1162.	2.8	99
31	Inflammation and functional iron deficiency regulate fibroblast growth factor 23 production. <i>Kidney International</i> , 2016, 89, 135-146.	5.2	370
32	Hepcidin Regulation in Prostate and Its Disruption in Prostate Cancer. <i>Cancer Research</i> , 2015, 75, 2254-2263.	0.9	150
33	Shear wave elastography in chronic kidney disease: a pilot experience in native kidneys. <i>BMC Nephrology</i> , 2015, 16, 119.	1.8	96
34	Exogenous BMP7 corrects plasma iron overload and bone loss in Bmp6 ^{-/-} mice. <i>International Orthopaedics</i> , 2015, 39, 161-172.	1.9	29
35	The liver: conductor of systemic iron balance. <i>Blood</i> , 2014, 123, 168-176.	1.4	136
36	Hemojuvelin and bone morphogenetic protein (BMP) signaling in iron homeostasis. <i>Frontiers in Pharmacology</i> , 2014, 5, 104.	3.5	84

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37	The iron cycle in chronic kidney disease (CKD): from genetics and experimental models to CKD patients. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 263-273.	0.7	67
38	BuMPing iron with modified heparins. <i>Blood</i> , 2014, 123, 1440-1441.	1.4	0
39	MicroRNA-130a Is Up-regulated in Mouse Liver by Iron Deficiency and Targets the Bone Morphogenetic Protein (BMP) Receptor ALK2 to Attenuate BMP Signaling and Heparin Transcription. <i>Journal of Biological Chemistry</i> , 2014, 289, 23796-23808.	3.4	36
40	A hepcidin lowering agent mobilizes iron for incorporation into red blood cells in an adenine-induced kidney disease model of anemia in rats. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 1733-1743.	0.7	47
41	A novel validated enzyme-linked immunosorbent assay to quantify soluble hemojuvelin in mouse serum. <i>Haematologica</i> , 2013, 98, 296-304.	3.5	15
42	Inflammation Regulates Tmprss6 Expression via Stat5. <i>PLoS ONE</i> , 2013, 8, e82127.	2.5	23
43	Mechanisms of Anemia in CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1631-1634.	6.1	720
44	Targeting the hepcidin-ferroportin axis to develop new treatment strategies for anemia of chronic disease and anemia of inflammation. <i>American Journal of Hematology</i> , 2012, 87, 392-400.	4.1	143
45	Repulsive Guidance Molecule (RGM) Family Proteins Exhibit Differential Binding Kinetics for Bone Morphogenetic Proteins (BMPs). <i>PLoS ONE</i> , 2012, 7, e46307.	2.5	47
46	A Hepcidin Inhibitor Mobilizes Iron for Incorporation Into Red Blood Cells in an Adenine-Induced Chronic Kidney Disease Model in Rats. <i>Blood</i> , 2012, 120, 2082-2082.	1.4	0
47	Iron Regulation of Hepcidin Despite Attenuated Smad1,5,8 Signaling in Mice Without Transferrin Receptor 2 or Hfe. <i>Gastroenterology</i> , 2011, 141, 1907-1914.	1.3	89
48	Pharmacologic inhibition of hepcidin expression reverses anemia of chronic inflammation in rats. <i>Blood</i> , 2011, 118, 4977-4984.	1.4	179
49	Regulation of Tmprss6 by BMP6 and iron in human cells and mice. <i>Blood</i> , 2011, 118, 747-756.	1.4	104
50	Serum and liver iron differently regulate the bone morphogenetic protein 6 (BMP6)-SMAD signaling pathway in mice. <i>Hepatology</i> , 2011, 54, 273-284.	7.3	169
51	The Molecular Pathogenesis of Hereditary Hemochromatosis. <i>Seminars in Liver Disease</i> , 2011, 31, 280-292.	3.6	84
52	Molecular Mechanisms of Hepcidin Regulation: Implications for the Anemia of CKD. <i>American Journal of Kidney Diseases</i> , 2010, 55, 726-741.	1.9	203
53	BMP6 Treatment Compensates for the Molecular Defect and Ameliorates Hemochromatosis in Hfe Knockout Mice. <i>Gastroenterology</i> , 2010, 139, 1721-1729.	1.3	99
54	Altered hepatic BMP signaling pathway in human HFE hemochromatosis. <i>Blood Cells, Molecules, and Diseases</i> , 2010, 45, 308-312.	1.4	36

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55	BMP6 is a key endogenous regulator of hepcidin expression and iron metabolism. <i>Nature Genetics</i> , 2009, 41, 482-487.	21.4	678
56	The RGM/DRAGON family of BMP co-receptors. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 389-398.	7.2	102
57	Bone Morphogenetic Protein Signaling Is Impaired in an Hfe Knockout Mouse Model of Hemochromatosis. <i>Gastroenterology</i> , 2009, 137, 1489-1497.	1.3	131
58	Selective modulation of TLR4-activated inflammatory responses by altered iron homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 3322-8.	8.2	135
59	Hepcidin Regulation by the BMP Pathway.. <i>Blood</i> , 2009, 114, SCI-25-SCI-25.	1.4	0
60	Dorsomorphin inhibits BMP signals required for embryogenesis and iron metabolism. <i>Nature Chemical Biology</i> , 2008, 4, 33-41.	8.0	930
61	Hemojuvelin regulates hepcidin expression via a selective subset of BMP ligands and receptors independently of neogenin. <i>Blood</i> , 2008, 111, 5195-5204.	1.4	194
62	Method for Measuring Macrophage Iron Efflux in Vitro and in Vivo Using Magnetic Resonance Imaging. <i>Blood</i> , 2008, 112, 4636-4636.	1.4	0
63	Modulation of bone morphogenetic protein signaling in vivo regulates systemic iron balance. <i>Journal of Clinical Investigation</i> , 2007, 117, 1933-1939.	8.2	401
64	Bone morphogenetic protein signaling by hemojuvelin regulates hepcidin expression. <i>Nature Genetics</i> , 2006, 38, 531-539.	21.4	921
65	Repulsive Guidance Molecule (RGMa), a DRAGON Homologue, Is a Bone Morphogenetic Protein Co-receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 29820-29827.	3.4	168
66	Hemojuvelin Acts as a Bone Morphogenetic Protein Co-Receptor To Regulate Hepcidin Expression.. <i>Blood</i> , 2005, 106, 511-511.	1.4	5