Willi Jahnen-Dechent

List of Publications by Citations

175 papers	13,104 citations	55 h-index	113 g-index
192 ext. papers	14,702 ext. citations	6.7 avg, IF	6.06 L-index

#	Paper	IF	Citations
175	Size-dependent cytotoxicity of gold nanoparticles. *Small*, **2007**, 3, 1941-9	11	1414
174	Association of low fetuin-A (AHSG) concentrations in serum with cardiovascular mortality in patients on dialysis: a cross-sectional study. *Lancet, The*, **2003**, 361, 827-33	40	723
173	Human vascular smooth muscle cells undergo vesicle-mediated calcification in response to changes in extracellular calcium and phosphate concentrations: a potential mechanism for accelerated vascular calcification in ESRD. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 2857-67	12.7	715
172	The serum protein alpha 2-Heremans-Schmid glycoprotein/fetuin-A is a systemically acting inhibitor of ectopic calcification. *Journal of Clinical Investigation*, **2003**, 112, 357-66	15.9	617
171	Gold nanoparticles of diameter 1.4 nm trigger necrosis by oxidative stress and mitochondrial damage. *Small*, **2009**, 5, 2067-76	11	595
170	Magnesium basics. *CKJ: Clinical Kidney Journal*, **2012**, 5, i3-i14	4.5	494
169	Structural basis of calcification inhibition by alpha 2-HS glycoprotein/fetuin-A. Formation of colloidal calciprotein particles. *Journal of Biological Chemistry*, **2003**, 278, 13333-41	5.4	321
168	The serum protein alpha2-HS glycoprotein/fetuin inhibits apatite formation in vitro and in mineralizing calvaria cells. A possible role in mineralization and calcium homeostasis. *Journal of Biological Chemistry*, **1996**, 271, 20789-96	5.4	278
167	Multifunctional roles for serum protein fetuin-a in inhibition of human vascular smooth muscle cell calcification. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 2920-30	12.7	272
166	Fetuin-A regulation of calcified matrix metabolism. *Circulation Research*, **2011**, 108, 1494-509	15.7	270
165	Role of calcification inhibitors in the pathogenesis of vascular calcification in chronic kidney disease (CKD). *Kidney International*, **2005**, 67, 2295-304	9.9	269
164	Improved insulin sensitivity and resistance to weight gain in mice null for the Ahsg gene. *Diabetes*, **2002**, 51, 2450-8	0.9	269
163	Functional expression of HGF and HGF receptor/c-met in adult human mesenchymal stem cells suggests a role in cell mobilization, tissue repair, and wound healing. *Stem Cells*, **2004**, 22, 405-14	5.8	256
162	In situ localization of light-induced chalcone synthase mRNA, chalcone synthase, and flavonoid end products in epidermal cells of parsley leaves. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 2989-93	11.5	250
161	Tissue distribution and activity testing suggest a similar but not identical function of fetuin-B and fetuin-A. *Biochemical Journal*, **2003**, 376, 135-45	3.8	211
160	Effect of vitamin K2 supplementation on functional vitamin K deficiency in hemodialysis patients: a randomized trial. *American Journal of Kidney Diseases*, **2012**, 59, 186-95	7.4	209
159	Nanoparticle-based test measures overall propensity for calcification in serum. *Journal of the American Society of Nephrology: JASN*, **2012**, 23, 1744-52	12.7	202

158	Cloning and targeted deletion of the mouse fetuin gene. *Journal of Biological Chemistry*, **1997**, 272, 31496-503	5.4	179
157	alpha 2-HS glycoprotein/fetuin, a transforming growth factor-beta/bone morphogenetic protein antagonist, regulates postnatal bone growth and remodeling. *Journal of Biological Chemistry*, **2002**, 277, 19991-7	5.4	164
156	Hierarchical role of fetuin-A and acidic serum proteins in the formation and stabilization of calcium phosphate particles. *Journal of Biological Chemistry*, **2008**, 283, 14815-25	5.4	157
155	Three-dimensional printing of stem cell-laden hydrogels submerged in a hydrophobic high-density fluid. *Biofabrication*, **2013**, 5, 015003	10.5	144
154	In vitro cell alignment obtained with a Schwann cell enriched microstructured nerve guide with longitudinal guidance channels. *Biomaterials*, **2009**, 30, 169-79	15.6	141
153	Assessment of stem cell/biomaterial combinations for stem cell-based tissue engineering. *Biomaterials*, **2008**, 29, 302-13	15.6	141
152	Mineral chaperones: a role for fetuin-A and osteopontin in the inhibition and regression of pathologic calcification. *Journal of Molecular Medicine*, **2008**, 86, 379-89	5.5	137
151	Cord blood-hematopoietic stem cell expansion in 3D fibrin scaffolds with stromal support. *Biomaterials*, **2012**, 33, 6987-97	15.6	135
150	Fetuin-A protects against atherosclerotic calcification in CKD. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1264-74	12.7	132
149	The multiligand-binding protein gC1qR, putative C1q receptor, is a mitochondrial protein. *Journal of Immunology*, **1998**, 160, 3534-42	5.3	132
148	Clearance of fetuin-A--containing calciprotein particles is mediated by scavenger receptor-A. *Circulation Research*, **2012**, 111, 575-84	15.7	122
147	Myocardial stiffness, cardiac remodeling, and diastolic dysfunction in calcification-prone fetuin-A-deficient mice. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 3357-64	12.7	113
146	The nucleotide and partial amino acid sequences of rat fetuin. Identity with the natural tyrosine kinase inhibitor of the rat insulin receptor. *FEBS Journal*, **1992**, 204, 523-9		109
145	Vitamin K-antagonists accelerate atherosclerotic calcification and induce a vulnerable plaque phenotype. *PLoS ONE*, **2012**, 7, e43229	3.7	100
144	A hepatic protein, fetuin-A, occupies a protective role in lethal systemic inflammation. *PLoS ONE*, **2011**, 6, e16945	3.7	96
143	Calcification Propensity and Survival among Renal Transplant Recipients. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 239-48	12.7	92
142	The role of fetuin-A in physiological and pathological mineralization. *Calcified Tissue International*, **2013**, 93, 355-64	3.9	91
141	In Vivo Nanotoxicity Testing using the Zebrafish Embryo Assay. *Journal of Materials Chemistry B*, **2013**, 1,	7.3	89

140	Structural dynamics of a colloidal protein-mineral complex bestowing on calcium phosphate a high solubility in biological fluids. *Biointerphases*, **2007**, 2, 16-20	1.8	81
139	Apolipoprotein C3 induces inflammation and organ damage by alternative inflammasome activation. *Nature Immunology*, **2020**, 21, 30-41	19.1	78
138	Fetuin-B, a liver-derived plasma protein is essential for fertilization. *Developmental Cell*, **2013**, 25, 106-12	10.2	76
137	Warfarin induces cardiovascular damage in mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 2618-24	9.4	76
136	Fetuin-A (AHSG) prevents extraosseous calcification induced by uraemia and phosphate challenge in mice. *Nephrology Dialysis Transplantation*, **2007**, 22, 1537-46	4.3	76
135	Deficiencies of calcium-regulatory proteins in dialysis patients: a novel concept of cardiovascular calcification in uremia. *Kidney International*, **2003**, S84-7	9.9	76
134	alpha2HS-glycoprotein, an antagonist of transforming growth factor beta in vivo, inhibits intestinal tumor progression. *Cancer Research*, **2004**, 64, 6402-9	10.1	75
133	Molecularly stabilised ultrasmall gold nanoparticles: synthesis, characterization and bioactivity. *Nanoscale*, **2013**, 5, 6224-42	7.7	72
132	Secretion of fibrinolytic enzymes facilitates human mesenchymal stem cell invasion into fibrin clots. *Cells Tissues Organs*, **2010**, 191, 36-46	2.1	70
131	Biofabrication under fluorocarbon: a novel freeform fabrication technique to generate high aspect ratio tissue-engineered constructs. *BioResearch Open Access*, **2013**, 2, 374-84	2.4	69
130	Enhanced blood coagulation and fibrinolysis in mice lacking histidine-rich glycoprotein (HRG). *Journal of Thrombosis and Haemostasis*, **2005**, 3, 865-72	15.4	69
129	Fetuin-A is a mineral carrier protein: small angle neutron scattering provides new insight on Fetuin-A controlled calcification inhibition. *Biophysical Journal*, **2010**, 99, 3986-95	2.9	68
128	Type 3 cystatins; fetuins, kininogen and histidine-rich glycoprotein. *Frontiers in Bioscience - Landmark*, **2009**, 14, 2911-22	2.8	68
127	Serological cardiovascular and mortality risk predictors in dialysis patients receiving sevelamer: a prospective study. *Nephrology Dialysis Transplantation*, **2010**, 25, 2672-9	4.3	65
126	Prothrombin Loading of Vascular Smooth Muscle Cell-Derived Exosomes Regulates Coagulation and Calcification. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, e22-e32	9.4	64
125	Novel insights into osteogenesis and matrix remodelling associated with calcific uraemic arteriolopathy. *Nephrology Dialysis Transplantation*, **2013**, 28, 856-68	4.3	62
124	Cytotoxicity of Ultrasmall Gold Nanoparticles on Planktonic and Biofilm Encapsulated Gram-Positive Staphylococci. *Small*, **2015**, 11, 3183-93	11	61
123	Fetuin-A and cystatin C are endogenous inhibitors of human meprin metalloproteases. *Biochemistry* , **2010**, 49, 8599-607	3.2	61

122	Impact of sirolimus, tacrolimus and mycophenolate mofetil on osteoclastogenesis--implications for post-transplantation bone disease. *Nephrology Dialysis Transplantation*, **2011**, 26, 4115-23	4.3	60
121	Histidine-rich glycoprotein promotes macrophage activation and inflammation in chronic liver disease. *Hepatology*, **2016**, 63, 1310-24	11.2	55
120	Peripheral administration of fetuin-A attenuates early cerebral ischemic injury in rats. *Journal of Cerebral Blood Flow and Metabolism*, **2010**, 30, 493-504	7.3	54
119	Differential hERG ion channel activity of ultrasmall gold nanoparticles. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 8004-9	11.5	53
118	Vascular calcification and fetuin-A deficiency in chronic kidney disease. *Trends in Cardiovascular Medicine*, **2007**, 17, 124-8	6.9	52
117	Histidine-rich glycoprotein protects from systemic Candida infection. *PLoS Pathogens*, **2008**, 4, e1000116	7.6	51
116	Association of fetuin-A levels with the progression of aortic valve calcification in non-dialyzed patients. *European Heart Journal*, **2009**, 30, 2054-61	9.5	50
115	Novel insights into uremic vascular calcification: role of matrix Gla protein and alpha-2-Heremans Schmid glycoprotein/fetuin. *Blood Purification*, **2002**, 20, 473-6	3.1	48
114	A shielding topology stabilizes the early stage protein-mineral complexes of fetuin-A and calcium phosphate: a time-resolved small-angle X-ray study. *ChemBioChem*, **2009**, 10, 735-40	3.8	47
113	Cellular Clearance and Biological Activity of Calciprotein Particles Depend on Their Maturation State and Crystallinity. *Frontiers in Immunology*, **2018**, 9, 1991	8.4	45
112	The serum glycoprotein fetuin-A promotes Lewis lung carcinoma tumorigenesis via adhesive-dependent and adhesive-independent mechanisms. *Cancer Research*, **2005**, 65, 499-506	10.1	45
111	Accelerated growth plate mineralization and foreshortened proximal limb bones in fetuin-A knockout mice. *PLoS ONE*, **2012**, 7, e47338	3.7	43
110	Rat fetuin: distribution of protein and mRNA in embryonic and neonatal rat tissues. *Anatomy and Embryology*, **1998**, 197, 125-33		42
109	High-sensitivity real-time analysis of nanoparticle toxicity in green fluorescent protein-expressing zebrafish. *Small*, **2013**, 9, 863-9	11	41
108	Posttranslational processing of human alpha 2-HS glycoprotein (human fetuin). Evidence for the production of a phosphorylated single-chain form by hepatoma cells. *FEBS Journal*, **1994**, 226, 59-69		41
107	Exposure to uremic serum induces a procalcific phenotype in human mesenchymal stem cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, e45-54	9.4	40
106	Analysis of Ebola Virus Entry Into Macrophages. *Journal of Infectious Diseases*, **2015**, 212 Suppl 2, S247-57	7	38
105	Internal amino acid sequencing of proteins by in situ cyanogen bromide cleavage in polyacrylamide gels. *Biochemical and Biophysical Research Communications*, **1990**, 166, 139-45	3.4	37

104	Limited proteolysis of human alpha2-HS glycoprotein/fetuin. Evidence that a chymotryptic activity can release the connecting peptide. *Journal of Biological Chemistry*, **1996**, 271, 31735-41	5.4	35
103	Growth factor-functionalized silk membranes support wound healing in vitro. *Biomedical Materials (Bristol)*, **2017**, 12, 045023	3.5	33
102	Molecular diversity at the self-incompatibility locus is a salient feature in natural populations of wild tomato (Lycopersicon peruvianum). *Molecular Genetics and Genomics*, **1993**, 238, 419-27		33
101	Key Role of the Scavenger Receptor MARCO in Mediating Adenovirus Infection and Subsequent Innate Responses of Macrophages. *MBio*, **2017**, 8,	7.8	32
100	Fetuin-A function in systemic mineral metabolism. *Trends in Cardiovascular Medicine*, **2012**, 22, 197-201	6.9	32
99	Formation and stability kinetics of calcium phosphate–fetuin-A colloidal particles probed by time-resolved dynamic light scattering. *Soft Matter*, **2011**, 7, 2869	3.6	31
98	Arterial thrombosis is accelerated in mice deficient in histidine-rich glycoprotein. *Blood*, **2015**, 125, 2712-22	9.2	30
97	Activated platelets provide a functional microenvironment for the antiangiogenic fragment of histidine-rich glycoprotein. *Molecular Cancer Research*, **2009**, 7, 1792-802	6.6	30
96	CCAAT enhancer binding protein beta and hepatocyte nuclear factor 3beta are necessary and sufficient to mediate dexamethasone-induced up-regulation of alpha2HS-glycoprotein/fetuin-A gene expression. *Journal of Molecular Endocrinology*, **2006**, 36, 261-77	4.5	30
95	The effect of surface modification of a porous TiO2/perlite composite on the ingrowth of bone tissue in vivo. *Biomaterials*, **2006**, 27, 1270-6	15.6	30
94	Different Culture Media Affect Proliferation, Surface Epitope Expression, and Differentiation of Ovine MSC. *Stem Cells International*, **2013**, 2013, 387324	5	29
93	Fetuin-A, a hepatocyte-specific protein that binds Plasmodium berghei thrombospondin-related adhesive protein: a potential role in infectivity. *Infection and Immunity*, **2005**, 73, 5883-91	3.7	28
92	Mammalian plasma fetuin-B is a selective inhibitor of ovastacin and meprin metalloproteinases. *Scientific Reports*, **2019**, 9, 546	4.9	27
91	Genetic deficiency in plasma protein HRG enhances tumor growth and metastasis by exacerbating immune escape and vessel abnormalization. *Cancer Research*, **2012**, 72, 1953-63	10.1	27
90	Do not be misguided by guidelines: the calcium x phosphate product can be a Trojan horse. *Nephrology Dialysis Transplantation*, **2005**, 20, 673-7	4.3	27
89	In vitro behavior of a porous TiO2/perlite composite and its surface modification with fibronectin. *Biomaterials*, **2005**, 26, 2813-26	15.6	27
88	Systemic inhibition of spontaneous calcification by the serum protein □2 -HS glycoprotein/fetuin. *Clinical Research in Cardiology*, **2001**, 90, III47-III56		27
87	Hybrid □CT-FMT imaging and image analysis. *Journal of Visualized Experiments*, **2015**, e52770	1.6	25

86	Association of high fetuin-B concentrations in serum with fertilization rate in IVF: a cross-sectional pilot study. *Human Reproduction*, **2016**, 31, 630-7	5.7	23
85	Hepatocyte growth factor-loaded biomaterials for mesenchymal stem cell recruitment. *Stem Cells International*, **2013**, 2013, 892065	5	23
84	Biomimetic modification of the TiO(2)/glass composite Ecopore with heparinized collagen and the osteoinductive factor BMP-2. *Acta Biomaterialia*, **2008**, 4, 997-1004	10.8	23
83	Bone marrow lympho-myeloid malfunction in obesity requires precursor cell-autonomous TLR4. *Nature Communications*, **2018**, 9, 708	17.4	22
82	Embryonic stem cell-derived M2-like macrophages delay cutaneous wound healing. *Wound Repair and Regeneration*, **2013**, 21, 44-54	3.6	22
81	Context dependent role of the CD36--thrombospondin--histidine-rich glycoprotein axis in tumor angiogenesis and growth. *PLoS ONE*, **2012**, 7, e40033	3.7	22
80	Mapping of the high molecular weight kininogen binding site of prekallikrein. Evidence for a discontinuous epitope formed by distinct segments of the prekallikrein heavy chain. *Journal of Biological Chemistry*, **1993**, 268, 14527-14535	5.4	22
79	Phosphate, Calcification in Blood, and Mineral Stress: The Physiologic Blood Mineral Buffering System and Its Association with Cardiovascular Risk. *International Journal of Nephrology*, **2018**, 2018, 9182078	1.7	22
78	Lumenal calcification and microvasculopathy in fetuin-A-deficient mice lead to multiple organ morbidity. *PLoS ONE*, **2020**, 15, e0228503	3.7	21
77	Mesenchymal stem cells can be recruited to wounded tissue via hepatocyte growth factor-loaded biomaterials. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2988-2998	4.4	20
76	The physiologic development of fetuin-a serum concentrations in children. *Pediatric Research*, **2009**, 66, 660-4	3.2	20
75	Mapping of the high molecular weight kininogen binding site of prekallikrein. Evidence for a discontinuous epitope formed by distinct segments of the prekallikrein heavy chain. *Journal of Biological Chemistry*, **1993**, 268, 14527-35	5.4	20
74	The case: milky ascites is not always chylous. *Kidney International*, **2010**, 77, 77-8	9.9	19
73	Microvasculopathy and soft tissue calcification in mice are governed by fetuin-A, magnesium and pyrophosphate. *PLoS ONE*, **2020**, 15, e0228938	3.7	18
72	Human histidine-rich glycoprotein expressed in SF9 insect cells inhibits apatite formation. *FEBS Letters*, **1997**, 412, 559-62	3.8	18
71	Proteolytic processing by matrix metalloproteinases and phosphorylation by protein kinase CK2 of fetuin-A, the major globulin of fetal calf serum. *Biochimie*, **2007**, 89, 410-8	4.6	18
70	Differential regulation of the expression of transporters associated with antigen processing, TAP1 and TAP2, by cytokines and lipopolysaccharide in primary human macrophages. *Inflammation Research*, **2002**, 51, 403-8	7.2	18
69	Fluorescent SNAP-tag galectin fusion proteins as novel tools in glycobiology. *Current Pharmaceutical Design*, **2013**, 19, 5457-67	3.3	18

68	Mud in the blood: the role of protein-mineral complexes and extracellular vesicles in biomineralisation and calcification. *Journal of Structural Biology*, **2020**, 212, 107577	3.4	18
67	Mammalian gamete fusion depends on the inhibition of ovastacin by fetuin-B. *Biological Chemistry*, **2014**, 395, 1195-9	4.5	16
66	Cytotoxicity of gold nanoparticles. *Methods in Enzymology*, **2012**, 509, 225-42	1.7	16
65	Effect of sample preparation on the in vitro genotoxicity of a light curable glass ionomer cement. *Biomaterials*, **2003**, 24, 611-7	15.6	16
64	Systemic inhibition of spontaneous calcification by the serum protein alpha 2-HS glycoprotein/fetuin. *Clinical Research in Cardiology*, **2001**, 90 Suppl 3, 47-56		16
63	Intracellular activation of ovastacin mediates pre-fertilization hardening of the zona pellucida. *Molecular Human Reproduction*, **2017**, 23, 607-616	4.4	15
62	Down-regulation of the liver-derived plasma protein fetuin-B mediates reversible female infertility. *Molecular Human Reproduction*, **2017**, 23, 34-44	4.4	15
61	Post-weaning epiphysiolysis causes distal femur dysplasia and foreshortened hindlimbs in fetuin-A-deficient mice. *PLoS ONE*, **2017**, 12, e0187030	3.7	14
60	Histidine-rich glycoprotein-induced vascular normalization improves EPR-mediated drug targeting to and into tumors. *Journal of Controlled Release*, **2018**, 282, 25-34	11.7	14
59	Sevelamer and the bone-vascular axis in chronic kidney disease: bone turnover, inflammation, and calcification regulation. *Kidney International*, **2009**, S26-33	9.9	14
58	Modulation of angiogenic functions in human macrophages by biomaterials. *Biomaterials*, **2003**, 24, 3395-401	15.6	14
57	HRG regulates tumor progression, epithelial to mesenchymal transition and metastasis via platelet-induced signaling in the pre-tumorigenic microenvironment. *Angiogenesis*, **2013**, 16, 889-902	10.6	13
56	Enhanced platelet activation mediates the accelerated angiogenic switch in mice lacking histidine-rich glycoprotein. *PLoS ONE*, **2011**, 6, e14526	3.7	13
55	Structure of mammalian plasma fetuin-B and its mechanism of selective metallopeptidase inhibition. *IUCrJ*, **2019**, 6, 317-330	4.7	13
54	Recombinant fetuin-B protein maintains high fertilization rate in cumulus cell-free mouse oocytes. *Molecular Human Reproduction*, **2017**, 23, 25-33	4.4	11
53	Fetuin-a in the developing brain. *Developmental Neurobiology*, **2013**, 73, 354-69	3.2	11
52	Nature's remedy to phosphate woes: calciprotein particles regulate systemic mineral metabolism. *Kidney International*, **2020**, 97, 648-651	9.9	10
51	Calciprotein particles: mineral behaving badly?. *Current Opinion in Nephrology and Hypertension*, **2020**, 29, 378-386	3.5	10

50	The vesicular stomatitis virus matrix protein inhibits glycoprotein 130-dependent STAT activation. *Journal of Immunology*, **2001**, 167, 5209-16	5.3	10
49	Fine mapping of the H-kininogen binding site in plasma prekallikrein apple domain 2. *International Immunopharmacology*, **2002**, 2, 1867-73	5.8	10
48	An electrochemical impedance spectroscopy (EIS) assay measuring the calcification inhibition capacity in biological fluids. *Biosensors and Bioelectronics*, **2011**, 26, 4702-7	11.8	9
47	Fetuin-A protein distribution in mature inflamed and ischemic brain tissue. *PLoS ONE*, **2018**, 13, e0206597	3.7	9
46	Lot's Wife's Problem Revisited: How We Prevent Pathological Calcification **2005**, 243-267		8
45	A method for preparing proteins and peptides for microsequencing. *Plant Molecular Biology Reporter*, **1990**, 8, 92-103	1.7	8
44	Interleukin-1 is a Central Regulator of Leukocyte-Endothelial Adhesion in Myocardial Infarction and in Chronic Kidney Disease. *Circulation*, **2021**, 144, 893-908	16.7	8
43	Cell surface serine protease matriptase-2 suppresses fetuin-A/AHSG-mediated induction of hepcidin. *Biological Chemistry*, **2015**, 396, 81-93	4.5	7
42	Fetuin-A is a HIF target that safeguards tissue integrity during hypoxic stress. *Nature Communications*, **2021**, 12, 549	17.4	7
41	Compatibility of different polymers for cord blood-derived hematopoietic progenitor cells. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 109-16	4.5	6
40	Letter to the Editor, concerning: "FGF23-regulated production of fetuin-A (AHSG) in osteocytes". *Bone*, **2016**, 93, 223-224	4.7	5
39	Ex vivo expansion of cord blood-CD34(+) cells using IGFBP2 and Angptl-5 impairs short-term lymphoid repopulation in vivo. *Journal of Tissue Engineering and Regenerative Medicine*, **2013**, 7, 944-54	4.4	5
38	Standardization of automated cell-based protocols for toxicity testing of biomaterials. *Journal of Biomolecular Screening*, **2011**, 16, 647-54		5
37	Recent developments in the molecular genetics and biology of self-incompatibility. *Plant Molecular Biology*, **1989**, 13, 267-71	4.6	5
36	Live Imaging of Calciprotein Particle Clearance and Receptor Mediated Uptake: Role of Calciprotein Monomers. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 633925	5.7	5
35	Latent TGF- binding protein-1 deficiency decreases female fertility. *Biochemical and Biophysical Research Communications*, **2017**, 482, 1387-1392	3.4	4
34	Targeting and Modulation of Liver Myeloid Immune Cells by Hard-Shell Microbubbles. *Advanced Biology*, **2018**, 2, 1800002	3.5	4
33	Two-dimensional polymer-based cultures expand cord blood-derived hematopoietic stem cells and support engraftment of NSG mice. *Tissue Engineering - Part C: Methods*, **2013**, 19, 25-38	2.9	4

32	A fluorescent method to determine vitamin K-dependent gamma-glutamyl carboxylase activity. *Analytical Biochemistry*, **2012**, 421, 411-6	3.1	4
31	The C-terminal region of human plasma fetuin-B is dispensable for the raised-elephant-trunk mechanism of inhibition of astacin metallopeptidases. *Scientific Reports*, **2019**, 9, 14683	4.9	3
30	Microvasculopathy, Luminal Calcification and Premature Aging in Fetuin-A Deficient Mice		3
29	Microvasculopathy And Soft Tissue Calcification In Mice Are Governed by Fetuin-A, Pyrophosphate And Magnesium		3
28	CKD pathophysiology and complications. *Nephrology Dialysis Transplantation*, **2013**, 28, i40-i41	4.3	2
27	Rapid calcification propensity testing in blood using a temperature controlled microfluidic polymer chip. *PLoS ONE*, **2020**, 15, e0230493	3.7	2
26	Isolation, characterization and spontaneous differentiation of human umbilical cord-derived mesenchymal stem cells. *Journal of Stem Cells and Regenerative Medicine*, **2007**, 2, 121-2	0.8	2
25	The Biological and Cellular Role of Fetuin Family Proteins in Biomineralization317-328		1
24	Polymer Micro Chips for the Analyses of Calcification Risk. *Procedia Engineering*, **2016**, 168, 1386-1389		1
23	Development of the BioHybrid Assay: Combining Primary Human Vascular Smooth Muscle Cells and Blood to Measure Vascular Calcification Propensity. *Cells*, **2021**, 10,	7.9	1
22	The E-modulus of the oocyte is a non-destructive measure of zona pellucida hardening. *Reproduction*, **2021**, 162, 259-266	3.8	1
21	Tissue chaperoning-the expanded functions of fetuin-A beyond inhibition of systemic calcification.. *Pflugers Archiv European Journal of Physiology*, **2022**, 1	4.6	1
20	Alpha 2-HS glycoprotein (fetuin-A) modulates murine skin tumorigenesis **2004**, 25, 319		0
19	Rasche Ultraschallfertigung von preiswerten Mikroreaktorsystemen. *Chemie-Ingenieur-Technik*, **2016**, 88, 1380-1381	0.8	
18	Posttranslational Processing of Human 2-HS Glycoprotein (Human Fetuin). *FEBS Journal*, **2008**, 226, 59-69		
17	Tissue Engineering Combining Cells and Biomaterials into Functional Tissues **2008**, 193-214		
16	Mapping of the H-kininogen binding site exposed by the prekallikrein heavy chain. *Agents and Actions Supplements*, **1992**, 38 (Pt 1), 225-32	0.2	
15	Lumenal calcification and microvasculopathy in fetuin-A-deficient mice lead to multiple organ morbidity **2020**, 15, e0228503		

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14 Lumenal calcification and microvasculopathy in fetuin-A-deficient mice lead to multiple organ morbidity **2020**, 15, e0228503

13 Lumenal calcification and microvasculopathy in fetuin-A-deficient mice lead to multiple organ morbidity **2020**, 15, e0228503

12 Lumenal calcification and microvasculopathy in fetuin-A-deficient mice lead to multiple organ morbidity **2020**, 15, e0228503

11 Rapid calcification propensity testing in blood using a temperature controlled microfluidic polymer chip **2020**, 15, e0230493

10 Rapid calcification propensity testing in blood using a temperature controlled microfluidic polymer chip **2020**, 15, e0230493

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4 Microvasculopathy and soft tissue calcification in mice are governed by fetuin-A, magnesium and pyrophosphate **2020**, 15, e0228938

3 Microvasculopathy and soft tissue calcification in mice are governed by fetuin-A, magnesium and pyrophosphate **2020**, 15, e0228938

2 Microvasculopathy and soft tissue calcification in mice are governed by fetuin-A, magnesium and pyrophosphate **2020**, 15, e0228938

1 Microvasculopathy and soft tissue calcification in mice are governed by fetuin-A, magnesium and pyrophosphate **2020**, 15, e0228938