Sigrun Lange

List of Publications by Year
in descending order

88 papers	3,348 citations	117625 34 h-index	161849 54 g-index
90 all docs	90 docs citations	90 times ranked	3548 citing authors

#	Article	IF	Citations
1	microRNA-21 Regulates Stemness in Pancreatic Ductal Adenocarcinoma Cells. International Journal of Molecular Sciences, 2022, 23, 1275.	4.1	12
2	Acute Hypoxia Alters Extracellular Vesicle Signatures and the Brain Citrullinome of Naked Mole-Rats (Heterocephalus glaber). International Journal of Molecular Sciences, 2022, 23, 4683.	4.1	2
3	The Proteome and Citrullinome of Hippoglossus hippoglossus Extracellular Vesiclesâ€"Novel Insights into Roles of the Serum Secretome in Immune, Gene Regulatory and Metabolic Pathways. International Journal of Molecular Sciences, 2021, 22, 875.	4.1	7
4	Peptidylarginine deiminases and extracellular vesicles: prospective drug targets and biomarkers in central nervous system diseases and repair. Neural Regeneration Research, 2021, 16, 934.	3.0	10
5	Editorial: Tissue Remodeling in Health and Disease Caused by Bacteria, Parasites, Fungi, and Viruses. Frontiers in Cellular and Infection Microbiology, 2021, 11, 642311.	3.9	1
6	Peptidylarginine Deiminase (PAD) and Post-Translational Protein Deiminationâ€"Novel Insights into Alveolata Metabolism, Epigenetic Regulation and Hostâ€"Pathogen Interactions. Biology, 2021, 10, 177.	2.8	4
7	MiR-21 Is Required for the Epithelialâ€"Mesenchymal Transition in MDA-MB-231 Breast Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 1557.	4.1	29
8	Post-Translational Protein Deimination Signatures in Plasma and Plasma EVs of Reindeer (Rangifer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	4
9	Preliminary Investigations Into the Effect of Exercise-Induced Muscle Damage on Systemic Extracellular Vesicle Release in Trained Younger and Older Men. Frontiers in Physiology, 2021, 12, 723931.	2.8	10
10	Extracellular Vesicle Signatures and Post-Translational Protein Deimination in Purple Sea Urchin (Strongylocentrotus purpuratus) Coelomic Fluidâ€"Novel Insights into Echinodermata Biology. Biology, 2021, 10, 866.	2.8	6
11	Post-translational protein deimination signatures in sea lamprey (Petromyzon marinus) plasma and plasma-extracellular vesicles. Developmental and Comparative Immunology, 2021, 125, 104225.	2.3	5
12	MicroRNAs for Virus Pathogenicity and Host Responses, Identified in SARS-CoV-2 Genomes, May Play Roles in Viral-Host Co-Evolution in Putative Zoonotic Host Species. Viruses, 2021, 13, 117.	3.3	6
13	Peptidylarginine Deiminase Inhibitor Application, Using Cl-Amidine, PAD2, PAD3 and PAD4 Isozyme-Specific Inhibitors in Pancreatic Cancer Cells, Reveals Roles for PAD2 and PAD3 in Cancer Invasion and Modulation of Extracellular Vesicle Signatures. International Journal of Molecular Sciences, 2021, 22, 1396.	4.1	17
14	Controlled Delivery of Pan-PAD-Inhibitor Cl-Amidine Using Poly(3-Hydroxybutyrate) Microspheres. International Journal of Molecular Sciences, 2021, 22, 12852.	4.1	4
15	Extracellular vesicles, deiminated protein cargo and microRNAs are novel serum biomarkers for environmental rearing temperature in Atlantic cod (Gadus morhua L.). Aquaculture Reports, 2020, 16, 100245.	1.7	27
16	Deiminated proteins in extracellular vesicles and serum of llama (Lama glama)â€"Novel insights into camelid immunity. Molecular Immunology, 2020, 117, 37-53.	2.2	22
17	Peptidylarginine Deiminase Inhibition Abolishes the Production of Large Extracellular Vesicles From Giardia intestinalis, Affecting Host-Pathogen Interactions by Hindering Adhesion to Host Cells. Frontiers in Cellular and Infection Microbiology, 2020, 10, 417.	3.9	38
18	Cover Image, Volume 30, Issue 11. Hippocampus, 2020, 30, C1.	1.9	0

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19	Extracellular Vesicles and Post-Translational Protein Deimination Signatures in Molluscaâ€"The Blue Mussel (Mytilus edulis), Soft Shell Clam (Mya arenaria), Eastern Oyster (Crassostrea virginica) and Atlantic Jacknife Clam (Ensis leei). Biology, 2020, 9, 416.	2.8	13
20	Extracellular vesicles and post-translational protein deimination signatures in haemolymph of the American lobster (Homarus americanus). Fish and Shellfish Immunology, 2020, 106, 79-102.	3.6	13
21	The Prediction of miRNAs in SARS-CoV-2 Genomes: hsa-miR Databases Identify 7 Key miRs Linked to Host Responses and Virus Pathogenicity-Related KEGG Pathways Significant for Comorbidities. Viruses, 2020, 12, 614.	3.3	95
22	Deiminated proteins and extracellular vesicles - Novel serum biomarkers in whales and orca. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 34, 100676.	1.0	19
23	Dataâ€driven integration of hippocampal <scp>CA1</scp> synaptic physiology <i>in silico</i>. Hippocampus, 2020, 30, 1129-1145.	1.9	38
24	Putative Roles for Peptidylarginine Deiminases in COVID-19. International Journal of Molecular Sciences, 2020, 21, 4662.	4.1	26
25	Deiminated proteins and extracellular vesicles as novel biomarkers in pinnipeds: Grey seal (Halichoerus gryptus) and harbour seal (Phoca vitulina). Biochimie, 2020, 171-172, 79-90.	2.6	13
26	Peptidylarginine Deiminase Isozyme-Specific PAD2, PAD3 and PAD4 Inhibitors Differentially Modulate Extracellular Vesicle Signatures and Cell Invasion in Two Glioblastoma Multiforme Cell Lines. International Journal of Molecular Sciences, 2020, 21, 1495.	4.1	43
27	Plasma mEV levels in Ghanain malaria patients with low parasitaemia are higher than those of healthy controls, raising the potential for parasite markers in mEVs as diagnostic targets. Journal of Extracellular Vesicles, 2020, 9, 1697124.	12.2	24
28	Protein Deimination and Extracellular Vesicle Profiles in Antarctic Seabirds. Biology, 2020, 9, 15.	2.8	20
29	Deimination Protein Profiles in Alligator mississippiensis Reveal Plasma and Extracellular Vesicle-Specific Signatures Relating to Immunity, Metabolic Function, and Gene Regulation. Frontiers in Immunology, 2020, 11, 651.	4.8	16
30	Post-Translational Protein Deimination Signatures in Serum and Serum-Extracellular Vesicles of Bos taurus Reveal Immune, Anti-Pathogenic, Anti-Viral, Metabolic and Cancer-Related Pathways for Deimination. International Journal of Molecular Sciences, 2020, 21, 2861.	4.1	17
31	Post-translational protein deimination signatures and extracellular vesicles (EVs) in the Atlantic horseshoe crab (Limulus polyphemus). Developmental and Comparative Immunology, 2020, 110, 103714.	2.3	12
32	Protein Deimination Signatures in Plasma and Plasma-EVs and Protein Deimination in the Brain Vasculature in a Rat Model of Pre-Motor Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 2743.	4.1	23
33	Complement component C4-like protein in Atlantic cod (Gadus morhua L.) - Detection in ontogeny and identification of post-translational deimination in serum and extracellular vesicles. Developmental and Comparative Immunology, 2019, 101, 103437.	2.3	25
34	Peptidylarginine Deiminase Inhibitors Reduce Bacterial Membrane Vesicle Release and Sensitize Bacteria to Antibiotic Treatment. Frontiers in Cellular and Infection Microbiology, 2019, 9, 227.	3.9	61
35	Post-Translational Deimination of Immunological and Metabolic Protein Markers in Plasma and Extracellular Vesicles of Naked Mole-Rat (Heterocephalus glaber). International Journal of Molecular Sciences, 2019, 20, 5378.	4.1	27
36	Curcumin: Novel Treatment in Neonatal Hypoxic-Ischemic Brain Injury. Frontiers in Physiology, 2019, 10, 1351.	2.8	24

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37	Cannabidiol Is a Novel Modulator of Bacterial Membrane Vesicles. Frontiers in Cellular and Infection Microbiology, 2019, 9, 324.	3.9	63
38	Extracellular vesicles from cod (Gadus morhua L.) mucus contain innate immune factors and deiminated protein cargo. Developmental and Comparative Immunology, 2019, 99, 103397.	2.3	30
39	Deiminated proteins in extracellular vesicles and plasma of nurse shark (Ginglymostoma cirratum) - Novel insights into shark immunity. Fish and Shellfish Immunology, 2019, 92, 249-255.	3.6	25
40	Mesenchymal Stromal Cell Derived Extracellular Vesicles Reduce Hypoxia-Ischaemia Induced Perinatal Brain Injury. Frontiers in Physiology, 2019, 10, 282.	2.8	57
41	A novel ladder-like lectin relates to sites of mucosal immunity in Atlantic halibut (Hippoglossus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	12
42	Cannabidiol Affects Extracellular Vesicle Release, miR21 and miR126, and Reduces Prohibitin Protein in Glioblastoma Multiforme Cells. Translational Oncology, 2019, 12, 513-522.	3.7	55
43	Peptidylarginine Deiminases Post-Translationally Deiminate Prohibitin and Modulate Extracellular Vesicle Release and MicroRNAs in Glioblastoma Multiforme. International Journal of Molecular Sciences, 2019, 20, 103.	4.1	63
44	Peptidylarginine deiminase and deiminated proteins are detected throughout early halibut ontogeny - Complement components C3 and C4 are post-translationally deiminated in halibut (Hippoglossus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	33
45	The physiological variability of channel density in hippocampal CA1 pyramidal cells and interneurons explored using a unified data-driven modeling workflow. PLoS Computational Biology, 2018, 14, e1006423.	3.2	91
46	Pentraxins CRP-I and CRP-II are post-translationally deiminated and differ in tissue specificity in cod (Gadus morhua L.) ontogeny. Developmental and Comparative Immunology, 2018, 87, 1-11.	2.3	32
47	Cannabidiol (CBD) Is a Novel Inhibitor for Exosome and Microvesicle (EMV) Release in Cancer. Frontiers in Pharmacology, 2018, 9, 889.	3.5	115
48	Post-translational protein deimination in cod (Gadus morhua L.) ontogeny novel roles in tissue remodelling and mucosal immune defences?. Developmental and Comparative Immunology, 2018, 87, 157-170.	2.3	44
49	The emerging role of exosome and microvesicle- (EMV-) based cancer therapeutics and immunotherapy. International Journal of Cancer, 2017, 141, 428-436.	5.1	67
50	Protein Deimination in Protein Misfolding Disorders: Modeled in Human Induced Pluripotent Stem Cells (iPSCs). , 2017, , 227-239.		1
51	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 3. BMC Neuroscience, 2017, 18, .	1.9	7
52	Chloramidine/Bisindolylmaleimide-I-Mediated Inhibition of Exosome and Microvesicle Release and Enhanced Efficacy of Cancer Chemotherapy. International Journal of Molecular Sciences, 2017, 18, 1007.	4.1	132
53	Peptidylarginine Deiminasesâ€"Roles in Cancer and Neurodegeneration and Possible Avenues for Therapeutic Intervention via Modulation of Exosome and Microvesicle (EMV) Release?. International Journal of Molecular Sciences, 2017, 18, 1196.	4.1	70
54	Treatment of Prostate Cancer Using Deimination Antagonists and Microvesicle Technology. , 2017, , 413-425.		0

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55	Peptidylarginine Deiminases as Drug Targets in Neonatal Hypoxicâ€“Ischemic Encephalopathy. Frontiers in Neurology, 2016, 7, 22.	2.4	23
56	A novel role for peptidylarginine deiminases in microvesicle release reveals therapeutic potential of PAD inhibition in sensitizing prostate cancer cells to chemotherapy. Journal of Extracellular Vesicles, 2015, 4, 26192.	12.2	126
57	Inhibition of microvesiculation sensitizes prostate cancer cells to chemotherapy and reduces docetaxel dose required to limit tumor growth in vivo. Scientific Reports, 2015, 5, 13006.	3.3	88
58	Prostate cancer cells stimulated by calcium-mediated activation ofÂprotein kinase C undergo a refractory period before re-releasing calcium-bearing microvesicles. Biochemical and Biophysical Research Communications, 2015, 460, 511-517.	2.1	15
59	Microvesicles released constitutively from prostate cancer cells differ biochemically and functionally to stimulated microvesicles released through sublytic C5b-9. Biochemical and Biophysical Research Communications, 2015, 460, 589-595.	2.1	14
60	Label-free real-time acoustic sensing of microvesicle release from prostate cancer (PC3) cells using a Quartz Crystal Microbalance. Biochemical and Biophysical Research Communications, 2014, 453, 619-624.	2.1	11
61	Peptidylarginine deiminases: novel drug targets for prevention of neuronal damage following hypoxic ischemic insult (HI) in neonates. Journal of Neurochemistry, 2014, 130, 555-562.	3.9	84
62	The Role of Deimination as a Response to Trauma and Hypoxic Injury in the Developing CNS. , 2014, , 281-294.		1
63	Interplay of hostâ€“pathogen microvesicles and their role in infectious disease. Biochemical Society Transactions, 2013, 41, 258-262.	3.4	36
64	Blood/plasma secretome and microvesicles. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 2317-2325.	2.3	87
65	Pulsed extremely low-frequency magnetic fields stimulate microvesicle release from human monocytic leukaemia cells. Biochemical and Biophysical Research Communications, 2013, 430, 470-475.	2.1	27
66	Microvesicles in Health and Disease. Archivum Immunologiae Et Therapiae Experimentalis, 2012, 60, 107-121.	2.3	59
67	Protein deiminases: New players in the developmentally regulated loss of neural regenerative ability. Developmental Biology, 2011, 355, 205-214.	2.0	99
68	A filtration-based protocol to isolate human Plasma Membrane-derived Vesicles and exosomes from blood plasma. Journal of Immunological Methods, 2011, 371, 143-151.	1.4	115
69	Postâ€translational regulation of Crmp in developing and regenerating chick spinal cord. Developmental Neurobiology, 2010, 70, 456-471.	3.0	16
70	Human Plasma Membrane-Derived Vesicles Halt Proliferation and Induce Differentiation of THP-1 Acute Monocytic Leukemia Cells. Journal of Immunology, 2010, 185, 5236-5246.	0.8	54
71	Human plasma membrane-derived vesicles inhibit the phagocytosis of apoptotic cells â€“ Possible role in SLE. Biochemical and Biophysical Research Communications, 2010, 398, 278-283.	2.1	51
72	Red cell PMVs, plasma membrane-derived vesicles calling out for standards. Biochemical and Biophysical Research Communications, 2010, 399, 465-469.	2.1	29

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73	Changes in progenitor populations and ongoing neurogenesis in the regenerating chick spinal cord. Developmental Biology, 2009, 332, 234-245.	2.0	23
74	The complement regulatory receptor CRIT is expressed in the developing kidney. Molecular Immunology, 2007, 44, 3991.	2.2	0
75	Complement component C3 transcription in Atlantic halibut (Hippoglossus hippoglossus L.) larvae. Fish and Shellfish Immunology, 2006, 20, 285-294.	3.6	36
76	Immunostimulation of larvae and juveniles of cod, Gadus morhua L.. Journal of Fish Diseases, 2006, 29, 147-155.	1.9	33
77	CRIT is expressed on podocytes in normal human kidney and upregulated in membranous nephropathy. Kidney International, 2006, 69, 1961-1968.	5.2	6
78	Complement C2 Receptor Inhibitor Trispanning: A Novel Human Complement Inhibitory Receptor. Journal of Immunology, 2005, 174, 356-366.	0.8	46
79	Ontogeny of humoral immune parameters in fish. Fish and Shellfish Immunology, 2005, 19, 429-439.	3.6	208
80	The ontogenic transcription of complement component C3 and Apolipoprotein A-I tRNA in Atlantic cod (Gadus morhua L.)â€"a role in development and homeostasis?. Developmental and Comparative Immunology, 2005, 29, 1065-1077.	2.3	39
81	The ontogenic development of innate immune parameters of cod (Gadus morhua L.). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 139, 217-224.	1.6	53
82	An immunohistochemical study on complement component C3 in juvenile Atlantic halibut (Hippoglossus hippoglossus L.). Developmental and Comparative Immunology, 2004, 28, 593-601.	2.3	47
83	The ontogeny of complement component C3 in Atlantic cod (Gadus morhua L.)â€"an immunohistochemical study. Fish and Shellfish Immunology, 2004, 16, 359-367.	3.6	69
84	Is Apolipoprotein A-I a regulating protein for the complement system of cod (Gadus morhua L.)?. Fish and Shellfish Immunology, 2004, 16, 265-269.	3.6	32
85	Isolation and characterization of complement component C3 from Atlantic cod (Gadus morhua L.) and Atlantic halibut (Hippoglossus hippoglossus L.). Fish and Shellfish Immunology, 2004, 16, 227-239.	3.6	36
86	Protection against atypical furunculosis in Atlantic halibut, Hippoglossus hippoglossus (L.); comparison of a commercial furunculosis vaccine and an autogenous vaccine. Journal of Fish Diseases, 2003, 26, 331-338.	1.9	36
87	Spontaneous haemolytic activity of Atlantic halibut (Hippoglossus hippoglossus L.) and sea bass (Dicentrarchus labrax) serum. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 136, 99-106.	1.6	22
88	Humoral immune parameters of cultured Atlantic halibut (Hippoglossus hippoglossus L.). Fish and Shellfish Immunology, 2001, 11, 523-535.	3.6	97