

# Sandra Rieger

## List of Publications by Year in descending order

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30  
papers

1,129  
citations

567281

15  
h-index

526287

27  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin D Modulation of Mitochondrial Oxidative Metabolism and mTOR Enforces Stress Adaptations and Anticancer Responses. <i>JBMR Plus</i> , 2022, 6, e10572.	2.7	13
2	GDNF neurotrophic factor signalling determines the fate of dermal fibroblasts in wound-induced hair neogenesis and skin regeneration. <i>Experimental Dermatology</i> , 2022, 31, 577-581.	2.9	3
3	Reawakening GDNF's regenerative past in mice and humans. <i>Regenerative Therapy</i> , 2022, 20, 78-85.	3.0	2
4	Longitudinal RNA Sequencing of Skin and DRG Neurons in Mice with Paclitaxel-Induced Peripheral Neuropathy. <i>Data</i> , 2022, 7, 72.	2.3	2
5	Analyzing chemotherapy-induced peripheral neuropathy in vivo using non-mammalian animal models. <i>Experimental Neurology</i> , 2020, 323, 113090.	4.1	8
6	Pathogenesis of paclitaxel-induced peripheral neuropathy: A current review of in vitro and in vivo findings using rodent and human model systems. <i>Experimental Neurology</i> , 2020, 324, 113121.	4.1	118
7	Paclitaxel-induced peripheral neuropathy is caused by epidermal ROS and mitochondrial damage through conserved MMP-13 activation. <i>Scientific Reports</i> , 2020, 10, 3970.	3.3	31
8	Oxidative stress-dependent MMP-13 activity underlies glucose neurotoxicity. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 249-257.	2.3	28
9	Vitamin D and MicroRNAs. , 2018, , 245-267.		0
10	IKK $\beta$ regulates human keratinocyte migration by surveillance of the redox environment. <i>Journal of Cell Science</i> , 2017, 130, 975-988.	2.0	13
11	Reactive oxygen species and neuroepithelial interactions during wound healing. , 2017, , 23-38.		0
12	DNA Damage-Inducible Transcript 4 Is an Innate Surveillant of Hair Follicular Stress in Vitamin D Receptor Knockout Mice and a Regulator of Wound Re-Epithelialization. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1984.	4.1	18
13	Paclitaxel-induced epithelial damage and ectopic MMP-13 expression promotes neurotoxicity in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2189-98.	7.1	64
14	Comparative transcriptomic profiling of hydrogen peroxide signaling networks in zebrafish and human keratinocytes: Implications toward conservation, migration and wound healing. <i>Scientific Reports</i> , 2016, 6, 20328.	3.3	51
15	Comparative biology of tissue repair, regeneration and aging. <i>Npj Regenerative Medicine</i> , 2016, 1, .	5.2	12
16	Capturing Tissue Repair in Zebrafish Larvae with Time-lapse Brightfield Stereomicroscopy. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	10
17	The role of nuclear hormone receptors in cutaneous wound repair. <i>Cell Biochemistry and Function</i> , 2015, 33, 1-13.	2.9	70
18	Cloning of a functional 25-hydroxyvitamin D $1\alpha$ -hydroxylase in zebrafish ( <i>Danio rerio</i> ). <i>Cell Biochemistry and Function</i> , 2014, 32, 675-682.	2.9	5

#	ARTICLE	IF	CITATIONS
19	Vitamin D activation of functionally distinct regulatory miRNAs in primary human osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1478-1488.	2.8	72
20	Coordinate development of skin cells and cutaneous sensory axons in zebrafish. <i>Journal of Comparative Neurology</i> , 2012, 520, 816-831.	1.6	61
21	Time-lapse imaging of neural development: Zebrafish lead the way into the fourth dimension. <i>Genesis</i> , 2011, 49, 534-545.	1.6	11
22	Hydrogen Peroxide Promotes Injury-Induced Peripheral Sensory Axon Regeneration in the Zebrafish Skin. <i>PLoS Biology</i> , 2011, 9, e1000621.	5.6	146
23	Regulation of heart rate in zebrafish embryos. <i>FASEB Journal</i> , 2010, 24, 988.8.	0.5	0
24	Cadherin-2 Controls Directional Chain Migration of Cerebellar Granule Neurons. <i>PLoS Biology</i> , 2009, 7, e1000240.	5.6	78
25	Two-photon axotomy and time-lapse confocal imaging in live zebrafish embryos. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	51
26	Polysialyltransferase expression is linked to neuronal migration in the developing and adult zebrafish. <i>Developmental Dynamics</i> , 2008, 237, 276-285.	1.8	28
27	The zebrafish cerebellar rhombic lip is spatially patterned in producing granule cell populations of different functional compartments. <i>Developmental Biology</i> , 2008, 313, 167-180.	2.0	77
28	Preparation of Zebrafish Embryos for Transmission Electron Microscopy. <i>Cold Spring Harbor Protocols</i> , 2007, 2007, pdb.prot4772-pdb.prot4772.	0.3	4
29	Identification and validation of novel ERBB2 (HER2, NEU) targets including genes involved in angiogenesis. <i>International Journal of Cancer</i> , 2005, 114, 590-597.	5.1	53
30	Quantum dots are powerful multipurpose vital labeling agents in zebrafish embryos. <i>Developmental Dynamics</i> , 2005, 234, 670-681.	1.8	100