

# Zorica Janjetovic

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,629  
citations

109137

35  
h-index

182168

51  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2587  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective Role of Melatonin and Its Metabolites in Skin Aging. International Journal of Molecular Sciences, 2022, 23, 1238.	1.8	50
2	Chemical synthesis, biological activities and action on nuclear receptors of 20S(OH)D3, 20S,25(OH)2D3, 20S,23S(OH)2D3 and 20S,23R(OH)2D3. Bioorganic Chemistry, 2022, 121, 105660.	2.0	10
3	Modulation by 17,20S(OH)2pD of Fibrosis-Related Mediators in Dermal Fibroblast Lines from Healthy Donors and from Patients with Systemic Sclerosis. International Journal of Molecular Sciences, 2022, 23, 367.	1.8	7
4	Molecular and structural basis of interactions of vitamin D3 hydroxyderivatives with aryl hydrocarbon receptor (AhR): An integrated experimental and computational study. International Journal of Biological Macromolecules, 2022, 209, 1111-1123.	3.6	17
5	Metabolic activation of tachysterol <sub>3</sub> to biologically active hydroxyderivatives that act on VDR, AhR, LXRs, and PPAR $\gamma$ receptors. FASEB Journal, 2022, 36, .	0.2	29
6	CYP11A1-derived vitamin D hydroxyderivatives as candidates for therapy of basal and squamous cell carcinomas. International Journal of Oncology, 2022, 61, .	1.4	16
7	Antifibrogenic Activities of CYP11A1-derived Vitamin D3-hydroxyderivatives Are Dependent on ROR $\gamma$ . Endocrinology, 2021, 162, .	1.4	16
8	Vitamin D and lumisterol derivatives can act on liver X receptors (LXRs). Scientific Reports, 2021, 11, 8002.	1.6	60
9	Differential and Overlapping Effects of Melatonin and Its Metabolites on Keratinocyte Function: Bioinformatics and Metabolic Analyses. Antioxidants, 2021, 10, 618.	2.2	5
10	Knocking out the Vitamin D Receptor Enhances Malignancy and Decreases Responsiveness to Vitamin D3 Hydroxyderivatives in Human Melanoma Cells. Cancers, 2021, 13, 3111.	1.7	14
11	17,20S(OH)2pD Can Prevent the Development of Skin Fibrosis in the Bleomycin-Induced Scleroderma Mouse Model. International Journal of Molecular Sciences, 2021, 22, 8926.	1.8	8
12	Characterization of serotonin and 5-HT $\alpha$ acetylserotonin systems in the human epidermis and skin cells. Journal of Pineal Research, 2020, 68, e12626.	3.4	34
13	Hydroxylumisterols, Photoproducts of Pre-Vitamin D3, Protect Human Keratinocytes against UVB-Induced Damage. International Journal of Molecular Sciences, 2020, 21, 9374.	1.8	23
14	Noncalcemic Vitamin D Hydroxyderivatives Inhibit Human Oral Squamous Cell Carcinoma and Down-regulate Hedgehog and WNT/ $\beta$ -Catenin Pathways. Anticancer Research, 2020, 40, 2467-2474.	0.5	12
15	Photoprotective Properties of Vitamin D and Lumisterol Hydroxyderivatives. Cell Biochemistry and Biophysics, 2020, 78, 165-180.	0.9	113
16	The Role of Classical and Novel Forms of Vitamin D in the Pathogenesis and Progression of Nonmelanoma Skin Cancers. Advances in Experimental Medicine and Biology, 2020, 1268, 257-283.	0.8	38
17	CYP11A1-derived vitamin D3 products protect against UVB-induced inflammation and promote keratinocytes differentiation. Free Radical Biology and Medicine, 2020, 155, 87-98.	1.3	31
18	Protective effects of novel derivatives of vitamin D3 and lumisterol against UVB-induced damage in human keratinocytes involve activation of Nrf2 and p53 defense mechanisms. Redox Biology, 2019, 24, 101206.	3.9	105

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19	Investigation of 20S-hydroxyvitamin D <sub>3</sub> analogs and their 1 $\alpha$ -OH derivatives as potent vitamin D receptor agonists with anti-inflammatory activities. <i>Scientific Reports</i> , 2018, 8, 1478.	1.6	38
20	Melatonin and its derivatives counteract the ultraviolet B radiation-induced damage in human and porcine skin ex vivo. <i>Journal of Pineal Research</i> , 2018, 65, e12501.	3.4	77
21	On the role of classical and novel forms of vitamin D in melanoma progression and management. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 159-170.	1.2	75
22	Differential and Overlapping Effects of 20,23(OH)2D <sub>3</sub> and 1,25(OH)2D <sub>3</sub> on Gene Expression in Human Epidermal Keratinocytes: Identification of AhR as an Alternative Receptor for 20,23(OH)2D <sub>3</sub> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 3072.	1.8	98
23	Melatonin and its metabolites protect human melanocytes against UVB-induced damage: Involvement of NRF2-mediated pathways. <i>Scientific Reports</i> , 2017, 7, 1274.	1.6	124
24	1 $\alpha$ ,20S-Dihydroxyvitamin D <sub>3</sub> Interacts with Vitamin D Receptor: Crystal Structure and Route of Chemical Synthesis. <i>Scientific Reports</i> , 2017, 7, 10193.	1.6	26
25	Characterization of a new pathway that activates lumisterol in vivo to biologically active hydroxylumisterols. <i>Scientific Reports</i> , 2017, 7, 11434.	1.6	64
26	Melatonin, mitochondria, and the skin. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3913-3925.	2.4	131
27	Design, Synthesis and Biological Activities of Novel Gemini 20S-Hydroxyvitamin D <sub>3</sub> Analogs. <i>Anticancer Research</i> , 2016, 36, 877-86.	0.5	7
28	Antitumor Effects of Vitamin D Analogs on Hamster and Mouse Melanoma Cell Lines in Relation to Melanin Pigmentation. <i>International Journal of Molecular Sciences</i> , 2015, 16, 6645-6667.	1.8	39
29	Novel non-calcemic secosteroids that are produced by human epidermal keratinocytes protect against solar radiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 148, 52-63.	1.2	68
30	CYP24A1 Expression Inversely Correlates with Melanoma Progression: Clinic-Pathological Studies. <i>International Journal of Molecular Sciences</i> , 2014, 15, 19000-19017.	1.8	35
31	ROR $\alpha$ and ROR $\gamma$ are expressed in human skin and serve as receptors for endogenously produced noncalcemic 20 $\alpha$ -hydroxy- and 20,23 $\alpha$ -dihydroxyvitamin D. <i>FASEB Journal</i> , 2014, 28, 2775-2789.	0.2	232
32	Melatonin and its metabolites ameliorate ultraviolet B-induced damage in human epidermal keratinocytes. <i>Journal of Pineal Research</i> , 2014, 57, 90-102.	3.4	84
33	Local Melatonergic System as the Protector of Skin Integrity. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17705-17732.	1.8	122
34	Steroidogenesis in the skin: Implications for local immune functions. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 137, 107-123.	1.2	305
35	20 $\alpha$ -Hydroxyvitamin D <sub>3</sub> , Noncalcemic Product of CYP11A1 Action on Vitamin D <sub>3</sub> , Exhibits Potent Antifibrogenic Activity in Vivo. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E298-E303.	1.8	76
36	Novel vitamin D photoproducts and their precursors in the skin. <i>Dermato-Endocrinology</i> , 2013, 5, 7-19.	1.9	56

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37	Hydroxylation of CYP11A1-Derived Products of Vitamin D3 Metabolism by Human and Mouse CYP27B1. Drug Metabolism and Disposition, 2013, 41, 1112-1124.	1.7	39
38	Metabolism of melatonin and biological activity of intermediates of melatonergic pathway in human skin cells. FASEB Journal, 2013, 27, 2742-2755.	0.2	118
39	Rat CYP24A1 acts on 20-hydroxyvitamin D3 producing hydroxylated products with increased biological activity. Biochemical Pharmacology, 2012, 84, 1696-1704.	2.0	40
40	Correlation between secosteroid-induced vitamin D receptor activity in melanoma cells and computer-modeled receptor binding strength. Molecular and Cellular Endocrinology, 2012, 361, 143-152.	1.6	65
41	<i>In vivo</i> evidence for a novel pathway of vitamin D <sub>3</sub> metabolism initiated by P450 <sub>scc</sub> and modified by CYP27B1. FASEB Journal, 2012, 26, 3901-3915.	0.2	250
42	20-hydroxyvitamin D <sub>3</sub> inhibits proliferation of cancer cells with high efficacy while being non-toxic. Anticancer Research, 2012, 32, 739-46.	0.5	61
43	Novel vitamin D hydroxyderivatives inhibit melanoma growth and show differential effects on normal melanocytes. Anticancer Research, 2012, 32, 3733-42.	0.5	63
44	Production of 22-Hydroxy Metabolites of Vitamin D3 by Cytochrome P450 <sub>scc</sub> (CYP11A1) and Analysis of Their Biological Activities on Skin Cells. Drug Metabolism and Disposition, 2011, 39, 1577-1588.	1.7	80
45	20-Hydroxyvitamin D <sub>2</sub> is a noncalcemic analog of vitamin D with potent antiproliferative and prodifferentiation activities in normal and malignant cells. American Journal of Physiology - Cell Physiology, 2011, 300, C526-C541.	2.1	108
46	20,23-Dihydroxyvitamin D3, novel P450 <sub>scc</sub> product, stimulates differentiation and inhibits proliferation and NF- $\kappa$ B activity in human keratinocytes. Journal of Cellular Physiology, 2010, 223, 36-48.	2.0	96
47	Products of Vitamin D3 or 7-Dehydrocholesterol Metabolism by Cytochrome P450 <sub>scc</sub> Show Anti-Leukemia Effects, Having Low or Absent Calcemic Activity. PLoS ONE, 2010, 5, e9907.	1.1	135
48	Purified Mouse CYP27B1 Can Hydroxylate 20,23-Dihydroxyvitamin D <sub>3</sub> , Producing 1 $\alpha$ ,20,23-Trihydroxyvitamin D <sub>3</sub> , Which Has Altered Biological Activity. Drug Metabolism and Disposition, 2010, 38, 1553-1559.	1.7	38
49	Chemical synthesis of 20S-hydroxyvitamin D3, which shows antiproliferative activity. Steroids, 2010, 75, 926-935.	0.8	61
50	20-Hydroxycholecalciferol, Product of Vitamin D3 Hydroxylation by P450 <sub>scc</sub> , Decreases NF- $\kappa$ B Activity by Increasing I $\kappa$ B $\beta$ Levels in Human Keratinocytes. PLoS ONE, 2009, 4, e5988.	1.1	119
51	20-Hydroxyvitamin D3, a Product of Vitamin D3 Hydroxylation by Cytochrome P450 <sub>scc</sub> , Stimulates Keratinocyte Differentiation. Journal of Investigative Dermatology, 2008, 128, 2271-2280.	0.3	111