

# Sylvie Skalickova

## List of Publications by Year in descending order

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46  
papers

2,209  
citations

394421

19  
h-index

265206

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox status expressed as GSH:GSSG ratio as a marker for oxidative stress in paediatric tumour patients. <i>Oncology Letters</i> , 2012, 4, 1247-1253.	1.8	483
2	Nano-selenium and its nanomedicine applications: a critical review. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 2107-2128.	6.7	394
3	Selenium nanoparticles as a nutritional supplement. <i>Nutrition</i> , 2017, 33, 83-90.	2.4	345
4	A Summary of New Findings on the Biological Effects of Selenium in Selected Animal Species – A Critical Review. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2209.	4.1	152
5	Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , 2015, 7, 5428-5442.	3.3	98
6	Nanoparticles as a Solution for Eliminating the Risk of Mycotoxins. <i>Nanomaterials</i> , 2018, 8, 727.	4.1	90
7	Apo ferritin applications in nanomedicine. <i>Nanomedicine</i> , 2014, 9, 2233-2245.	3.3	60
8	Fabrication of solid-state nanopores and its perspectives. <i>Electrophoresis</i> , 2015, 36, 2367-2379.	2.4	53
9	3D-printed chip for detection of methicillin-resistant <i>Staphylococcus aureus</i> labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015, 36, 457-466.	2.4	51
10	Antibody-free detection of infectious bacteria using quantum dots-based barcode assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 325-332.	2.8	38
11	Essential Oils as a Feed Additives: Pharmacokinetics and Potential Toxicity in Monogastric Animals. <i>Animals</i> , 2019, 9, 352.	2.3	38
12	Uses of Selenium Nanoparticles in the Plant Production. <i>Agronomy</i> , 2021, 11, 2229.	3.0	37
13	Zinc phosphate-based nanoparticles as alternatives to zinc oxide in diet of weaned piglets. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 59.	5.3	32
14	Study of Interaction between Metallothionein and CdTe Quantum Dots. <i>Chromatographia</i> , 2013, 76, 345-353.	1.3	31
15	Nanoparticles Biosynthesized by Yeast: A Review of their application. <i>Kvasn<sup>1</sup>/<sub>2</sub> Pr<sup>1</sup>/<sub>2</sub>mysl</i> , 2017, 63, 290-292.	0.2	30
16	Zinc phosphate-based nanoparticles as a novel antibacterial agent: in vivo study on rats after dietary exposure. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 17.	5.3	27
17	Comparison of Various Easy-to-Use Procedures for Extraction of Phenols from Apricot Fruits. <i>Molecules</i> , 2011, 16, 2914-2936.	3.8	24
18	Modulation of Induced Cytotoxicity of Doxorubicin by Using Apoferritin and Liposomal Cages. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22960-22977.	4.1	23

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19	Development of New Silver Nanoparticles Suitable for Materials with Antimicrobial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2762-2769.	0.9	21
20	Biogenic Selenium Nanoparticles in Animal Nutrition: A Review. <i>Agriculture (Switzerland)</i> , 2021, 11, 1244.	3.1	20
21	Effects of Sub-Lethal Doses of Selenium Nanoparticles on the Health Status of Rats. <i>Toxics</i> , 2021, 9, 28.	3.7	17
22	Zinc-Modified Nanotransporter of Doxorubicin for Targeted Prostate Cancer Delivery. <i>Nanomaterials</i> , 2017, 7, 435.	4.1	15
23	Toxicological effects of nanoselenium in animals. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	5.3	15
24	Usability of graphene oxide as a mycotoxin binder: In vitro study. <i>PLoS ONE</i> , 2020, 15, e0239479.	2.5	14
25	Preconcentration based on paramagnetic microparticles for the separation of sarcosine using hydrophilic interaction liquid chromatography coupled with coulometric detection. <i>Journal of Separation Science</i> , 2014, 37, 465-575.	2.5	12
26	Fluorescence Characterization of Gold Modified Liposomes with Antisense N-myc DNA Bound to the Magnetisable Particles with Encapsulated Anticancer Drugs (Doxorubicin, Ellipticine and Etoposide). <i>Sensors</i> , 2016, 16, 290.	3.8	12
27	Microfluidic tool coupled with electrochemical assay for detection of lactoferrin isolated by antibody- $\epsilon$ -modified paramagnetic beads. <i>Electrophoresis</i> , 2013, 34, 2120-2128.	2.4	10
28	Development of pH-Responsive Biopolymeric Nanocapsule for Antibacterial Essential Oils. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1799.	4.1	10
29	Effect of Lactic Fermentation and Cooking on Nutrient and Mineral Digestibility of Peas. <i>Frontiers in Nutrition</i> , 2022, 9, 838963.	3.7	9
30	Use of nucleic acids anchor system to reveal apoferritin modification by cadmium telluride nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2109-2118.	5.8	7
31	Effect of sarcosine on antioxidant parameters and metallothionein content in the PC-3 prostate cancer cell line. <i>Oncology Reports</i> , 2013, 29, 2459-2466.	2.6	5
32	Interaction of E6 Gene from Human Papilloma Virus 16 (HPV-16) with CdS Quantum Dots. <i>Chromatographia</i> , 2014, 77, 1433-1439.	1.3	5
33	Theranostic Approach for the Protein Corona of Polysaccharide Nanoparticles. <i>Chemical Record</i> , 2021, 21, 17-28.	5.8	5
34	Protective effect of a new generation of activated and purified bentonite in combination with yeast and phytogetic substances on mycotoxin challenge in pigs. <i>PLoS ONE</i> , 2021, 16, e0259132.	2.5	4
35	Does Digestate Dose Affect Fodder Security and Nutritive Value?. <i>Agriculture (Switzerland)</i> , 2022, 12, 133.	3.1	4
36	Importance of Zinc Nanoparticles for the Intestinal Microbiome of Weaned Piglets. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	4

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37	Dose Effect of Milk Thistle ( <i>Silybum marianum</i> ) Seed Cakes on the Digestibility of Nutrients, Flavonolignans and the Individual Components of the Silymarin Complex in Horses. <i>Animals</i> , 2021, 11, 1687.	2.3	3
38	Is a new generation of mycotoxin clay adsorbents safe in a pig's diet?. <i>Porcine Health Management</i> , 2022, 8, .	2.6	3
39	Separation of Lactoferrin from Human Saliva Using Monolithic Disc. <i>Chromatographia</i> , 2013, 76, 611-619.	1.3	2
40	Mechanisms of Uptake and Interaction of Platinum Based Drugs in Eukaryotic Cells. <i>Environmental Science and Engineering</i> , 2015, , 401-415.	0.2	2
41	Interaction study of arsenic (III and V) ions with metallothionein gene (MT2A) fragment. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 599-605.	7.5	1
42	Effect of fungicidal treatment and storage condition on content of selected mycotoxins in barley. <i>Kvasn½ PrÁmysl</i> , 2018, 64, 212-216.	0.2	1
43	Degradation of biogenic amines and in vitro evaluation of ruminal parameters of the ruminal fluid of Charolais sheep. <i>Revista Brasileira De Zootecnia</i> , 2020, 49, .	0.8	1
44	Effect of <i>Streptococcus uberis</i> on Gamma Delta T Cell Phenotype in Bovine Mammary Gland. <i>Animals</i> , 2021, 11, 3594.	2.3	1
45	Electrochemical Study of DNA Damaged by Oxidation Stress. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013, 16, 130-141.	1.1	0
46	Zinc Modified Nanotransporter of Anticancer Drugs for Targeted Therapy: Biophysical Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2483-2488.	0.9	0