Eva Tvrda

List of Publications by Year
in descending order

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112 papers	2,268 citations	318942 23 h-index	299063 42 g-index
118 all docs	118 docs citations	118 times ranked	2776 citing authors

#	Article	IF	Citations
1	Bibliometrics: tracking research impact by selecting the appropriate metrics. Asian Journal of Andrology, 2016, 18, 296.	0.8	320
2	Contemporary evidence on the physiological role of reactive oxygen species in human sperm function. Journal of Assisted Reproduction and Genetics, 2015, 32, 509-520.	1.2	186
3	Iron and copper in male reproduction: a double-edged sword. Journal of Assisted Reproduction and Genetics, 2015, 32, 3-16.	1.2	135
4	Relationship amongst teratozoospermia, seminal oxidative stress and male infertility. Reproductive Biology and Endocrinology, 2014, 12, 45.	1.4	127
5	Impact of oxidative stress on male fertility â€" A review. Acta Veterinaria Hungarica, 2011, 59, 465-484.	0.2	83
6	Antioxidant, Antimicrobial and Antibiofilm Activity of Coriander (Coriandrum sativum L.) Essential Oil for Its Application in Foods. Foods, 2020, 9, 282.	1.9	76
7	Free radical and superoxide reactivity detection in semen quality assessment: past, present, and future. Journal of Assisted Reproduction and Genetics, 2017, 34, 697-707.	1.2	68
8	Curcumin has protective and antioxidant properties on bull spermatozoa subjected to induced oxidative stress. Animal Reproduction Science, 2016, 172, 10-20.	0.5	52
9	Protective Effects of Quercetin on Selected Oxidative Biomarkers in Bovine Spermatozoa Subjected to Ferrous Ascorbate. Reproduction in Domestic Animals, 2016, 51, 524-537.	0.6	50
10	The impact of lead and cadmium on selected motility, prooxidant and antioxidant parameters of bovine seminal plasma and spermatozoa. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1292-1300.	0.9	48
11	Male Reproductive Cancers and Infertility: A Mutual Relationship. International Journal of Molecular Sciences, 2015, 16, 7230-7260.	1.8	46
12	Biological Activity and Antibiofilm Molecular Profile of Citrus aurantium Essential Oil and Its Application in a Food Model. Molecules, 2020, 25, 3956.	1.7	39
13	Antioxidant efficiency of lycopene on oxidative stress - induced damage in bovine spermatozoa. Journal of Animal Science and Biotechnology, 2016, 7, 50.	2.1	38
14	Antibiotics Versus Natural Biomolecules: The Case of In Vitro Induced Bacteriospermia by Enterococcus Faecalis in Rabbit Semen. Molecules, 2019, 24, 4329.	1.7	38
15	Dose- and time-dependent effect of copper ions on the viability of bull spermatozoa in different media. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1294-1300.	0.9	36
16	Seasonal variations in the blood concentration of selected heavy metals in sheep and their effects on the biochemical and hematological parameters. Chemosphere, 2017, 168, 365-371.	4.2	34
17	InÂvitro effect of 4-nonylphenol on human chorionic gonadotropin (hCG) stimulated hormone secretion, cell viability and reactive oxygen species generation in mice Leydig cells. Environmental Pollution, 2017, 222, 219-225.	3.7	31
18	Trace Metals in the Freshwater Fish Cyprinus carpio: Effect to Serum Biochemistry and Oxidative Status Markers. Biological Trace Element Research, 2019, 188, 494-507.	1.9	30

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19	Impact of Seminal Chemical Elements on the Oxidative Balance in Bovine Seminal Plasma and Spermatozoa. Journal of Veterinary Medicine, 2013, 2013, 1-8.	1.6	29
20	Resveratrol offers protection to oxidative stress induced by ferrous ascorbate in bovine spermatozoa. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1440-1451.	0.9	29
21	Epicatechin Provides Antioxidant Protection to Bovine Spermatozoa Subjected to Induced Oxidative Stress. Molecules, 2019, 24, 3226.	1.7	28
22	Chemical Composition and Antimicrobial Activity of Selected Essential Oils against Staphylococcus spp. Isolated from Human Semen. Antibiotics, 2020, 9, 765.	1.5	25
23	In Vivo and In Vitro Evaluation of Bull Semen Processed with Zinc (Zn) Nanoparticles. Biological Trace Element Research, 2021, 199, 126-135.	1.9	25
24	Antimicrobial and antioxidant activities of Cinnamomum cassia essential oil and its application in food preservation. Open Chemistry, 2021, 19, 214-227.	1.0	25
25	Chemical and Biological Characterization of Melaleuca alternifolia Essential Oil. Plants, 2022, 11, 558.	1.6	25
26	The effect of nonylphenol on the motility and viability of bovine spermatozoain vitro. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 973-979.	0.9	23
27	Antioxidant effects of lycopene on bovine sperm survival and oxidative profile following cryopreservation. Veterinarni Medicina, 2017, 62, 429-436.	0.2	22
28	Trace elements content in semen and their interactions with sperm quality and RedOx status in freshwater fish Cyprinus carpio: A correlation study. Journal of Trace Elements in Medicine and Biology, 2018, 50, 399-407.	1.5	22
29	Fumaria parviflora regulates oxidative stress and apoptosis gene expression in the rat model of varicocele induction. Andrologia, 2020, 52, e13826.	1.0	22
30	Dose- and time-dependent effects of bisphenol A on bovine spermatozoain vitro. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 669-676.	0.9	21
31	Quercetin and Naringenin Provide Functional and Antioxidant Protection to Stored Boar Semen. Animals, 2020, 10, 1930.	1.0	19
32	The Role of Selected Natural Biomolecules in Sperm Production and Functionality. Molecules, 2021, 26, 5196.	1.7	18
33	Selected heavy metals versus antioxidant parameters in bull seminal plasma â€“ A comparative study. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1261-1266.	0.9	17
34	Effects of mercury on the steroidogenesis of human adrenocarcinoma (NCI-H295R) cell line. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 348-353.	0.9	17
35	Free radicals: what they are and what they do. , 2020, , 3-13.		17
36	Bacterial communities in bovine ejaculates and their impact on the semen quality. Systems Biology in Reproductive Medicine, 2021, 67, 438-449.	1.0	17

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37	Sperm DNA fragmentation in donors and normozoospermic patients attending for a first spermiogram: Static and dynamic assessment. Andrologia, 2018, 50, e12986.	1.0	16
38	In vitroeffects of radiofrequency electromagnetic waves on bovine spermatozoa motility. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1417-1423.	0.9	15
39	Identification of Bacterial Profiles and Their Interactions with Selected Quality, Oxidative, and Immunological Parameters of Turkey Semen. Animals, 2021, 11, 1771.	1.0	15
40	Effects of 4-nonylphenol on the steroidogenesis of human adrenocarcinoma cell line (NCI-H295R). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 221-227.	0.9	14
41	Parallel effect of 4-octylphenol and cyclic adenosine monophosphate (cAMP) alters steroidogenesis, cell viability and ROS production in mice Leydig cells. Chemosphere, 2018, 199, 747-754.	4.2	14
42	Dynamic assessment of human sperm DNA damage I: the effect of seminal plasma-sperm co-incubation after ejaculation. International Urology and Nephrology, 2018, 50, 1381-1388.	0.6	13
43	In vitro response of human ovarian cancer cells to dietary bioflavonoid isoquercitrin. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 752-757.	0.7	13
44	Composition of Stallion Seminal Plasma and Its Impact on Oxidative Stress Markers and Spermatozoa Quality. Life, 2021, 11, 1238.	1.1	13
45	Assessment of rabbit spermatozoa characteristics after amygdalin and apricot seeds exposure in vivo. Toxicology Reports, 2018, 5, 679-686.	1.6	12
46	The Efficiency of Selected Extenders against Bacterial Contamination of Boar Semen in a Swine Breeding Facility in Western Slovakia. Animals, 2021, 11, 3320.	1.0	12
47	Dose- and Time-Dependent In Vitro Effects of Divalent and Trivalent Iron on the Activity of Bovine Spermatozoa. Biological Trace Element Research, 2015, 167, 36-47.	1.9	11
48	Chapter 5 Slow Freezing of Human Sperm. Methods in Molecular Biology, 2017, 1568, 67-78.	0.4	11
49	In Vitro Assessment of Gentamicin Cytotoxicity on the Selected Mammalian Cell Line (Vero cells). Advanced Research in Life Sciences, 2017, 1, 111-116.	0.4	11
50	Curcumin offers antioxidant protection to cryopreserved bovine semen. Czech Journal of Animal Science, 2018, 63, 247-255.	0.5	11
51	The Impact of Bacteriocenoses on Sperm Vitality, Immunological and Oxidative Characteristics of Ram Ejaculates: Does the Breed Play a Role?. Animals, 2022, 12, 54.	1.0	11
52	Transcriptional profile of ovine oocytes matured under lipopolysaccharide treatment inÂvitro. Theriogenology, 2020, 157, 70-78.	0.9	10
53	CURCUMIN IN MALE FERTILITY: EFFECTS ON SPERMATOZOA VITALITY AND OXIDATIVE BALANCE. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 4, 120-124.	0.4	10
54	IN VITRO SUPPLEMENTATION OF RESVERATROL TO BOVINE SPERMATOZOA: EFFECTS ON MOTILITY, VIABILITY AND SUPEROXIDE PRODUCTION. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 4, 336-341.	0.4	9

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55	Investigation of the properties and effects of salvia officinalis l. on the viability, steroidogenesis and Reactive Oxygen Species (ROS) production in TM3 leydig cells in vitro. Physiological Research, 2020, 69, 661-673.	0.4	9
56	Dynamic assessment of human sperm DNA damage II: the effect of sperm concentration adjustment during processing. Journal of Assisted Reproduction and Genetics, 2019, 36, 799-807.	1.2	8
57	Characterization of the Omija (Schisandra chinensis) Extract and Its Effects on the Bovine Sperm Vitality and Oxidative Profile during In Vitro Storage. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.	0.5	8
58	Riboflavin Recovery of Spermatogenic Dysfunction via a Dual Inhibition of Oxidative Changes and Regulation of the PINK1-Mediated Pathway in Arsenic-Injured Rat Model. Physiological Research, 2021, 70, 591-603.	0.4	8
59	Core Microbiome of Slovak Holstein Friesian Breeding Bullsâ€™ Semen. Animals, 2021, 11, 3331.	1.0	8
60	Spermatozoa protein profiles in cryobanked semen samples from testicular cancer patients before treatment. Fertility and Sterility, 2015, 104, e260.	0.5	7
61	504 The presence of bacterial species in boar semen and their impact on the sperm quality and oxidative balance.. Journal of Animal Science, 2018, 96, 501-501.	0.2	7
62	Physiological and Pathological Roles of Free Radicals in Male Reproduction. , 0, , .		7
63	LEVISTICUM OFFICINALE AND ITS EFFECTS ON BOVINE SPERMATOZOA ACTIVITY. Journal of Microbiology, Biotechnology and Food Sciences, 2019, 8, 1212-1216.	0.4	7
64	Staphylococcus-Induced Bacteriospermia In Vitro: Consequences on the Bovine Spermatozoa Quality, Extracellular Calcium and Magnesium Content. Animals, 2021, 11, 3309.	1.0	7
65	Biological Relevance of Free Radicals in the Process of Physiological Capacitation and Cryocapacitation. Oxygen, 2022, 2, 164-176.	1.6	7
66	Taurine does not improve the quality of shortâ€term stored rabbit spermatozoa in vitro. Reproduction in Domestic Animals, 2017, 52, 1046-1051.	0.6	6
67	THE IN VITRO EFFECT OF ELDERBERRY (SAMBUCUS NIGRA) EXTRACT ON THE ACTIVITY AND OXIDATIVE PROFILE OF BOVINE SPERMATOZOA. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 6, 1319-1322.	0.4	6
68	Antioxidative Effect of Dietary Flavonoid Isoquercitrin on Human Ovarian Granulosa Cells HGL5 In Vitro. Physiological Research, 2021, 70, 745-754.	0.4	6
69	The effect of Apium Graveolens L., Levisticum Officinale and Calendula Officinalis L. on cell viability, membrane integrity, steroidogenesis, and intercellular communication in mice Leydig cells in vitro. Physiological Research, 2021, 70, 615-625.	0.4	5
70	IN VITRO EFFECTS OF THE CHLAMYDOMONAS REINHARDTII EXTRACT ON BOVINE SPERMATOZOA. Journal of Microbiology, Biotechnology and Food Sciences, 2016, 6, 972-975.	0.4	5
71	The effect of kaempferol and naringenin may improve the in vitro quality of stored boar semen. Journal of Central European Agriculture, 2019, 20, 1069-1075.	0.3	5
72	Dynamic assessment of human sperm DNA damage III: the effect of sperm freezing techniques. Cell and Tissue Banking, 2020, 22, 379-387.	0.5	4

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73	Effects ofâ€¯humic acid diet onâ€¯the serum biochemistry and oxidative status markers inâ€¯pheasants. Veterinarni Medicina, 2020, 65, 258-268.	0.2	4
74	The Effect of Non-Thermal Plasma on the Structural and Functional Characteristics of Human Spermatozoa. International Journal of Molecular Sciences, 2021, 22, 4979.	1.8	4
75	IMPACT OF 4-NONYLPHENOL ON TESTOSTERONE PRODUCTION IN MICE LEYDIG CELLS. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 4, 42-44.	0.4	4
76	Antioxidant efficiency of resveratrol on oxidative stress-induced damage in bovine spermatozoa. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 05, 64-67.	0.4	4
77	INFLUENCE OF GENTAMICIN ON THE SPECIFIC CELL CULTURE (BHK-21) IN VITRO. Journal of Microbiology, Biotechnology and Food Sciences, 2016, 6, 983-986.	0.4	4
78	DOSE- AND TIME-DEPENDENT EFFECTS OF EPICATECHIN ON BOVINE SPERMATOZA IN VITRO. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 7, 235-239.	0.4	4
79	THE IN VITRO EFFECT OF THE ORIGANUM VULGARE EXTRACT ON SEMEN. Journal of Microbiology, Biotechnology and Food Sciences, 2019, 8, 1089-1092.	0.4	4
80	Antimicrobial activity of resveratrol and grape pomace extract. Potravinarstvo, 2019, 13, 363-368.	0.5	4
81	Effects of increasing lipopolysaccharide concentrations on in vitro developmental competence of ovine oocytes. Animal Reproduction, 2020, 17, e20190125.	0.4	4
82	Epigenetics and its Role in Male Infertility. , 2015, , 411-422.		3
83	Cytotoxic effect of aminoglycoside antibiotics on the mammalian cell lines. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1-8.	0.9	3
84	EFFECT OF VITAMINS ON THE QUALITY OF INSEMINATION DOSES OF BULLS. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 7, 242-247.	0.4	3
85	Antioxidant Effects of Marigold (Calendula officinalis) Flower Extract on the Oxidative Balance of Bovine Spermatozoa. Contemporary Agriculture, 2019, 68, 92-102.	0.3	3
86	Technological, phytochemical and sensory profile of honey biscuits made from buckwheat, rye, spelt and wheat flour. Quality Assurance and Safety of Crops and Foods, 2019, 11, 333-340.	1.8	3
87	Aflatoxin B1 impairs inÂvitro early developmental competence of ovine oocytes. Theriogenology, 2022, 183, 53-60.	0.9	3
88	Potential influence of prenatal 2.45 GHz radiofrequency electromagnetic field exposure on Wistar albino rat testis. Histology and Histopathology, 2021, 36, 685-696.	0.5	3
89	The potential impact of 4-octylphenol on the basal and stimulated testosterone formation by isolated mice Leydig cells. Journal of Central European Agriculture, 2016, 17, 1274-1286.	0.3	2
90	In vitro effect of 4-nonylphenol on camp stimulated androstenedione production and viability of mice leydig cells. Journal of Microbiology, Biotechnology and Food Sciences, 2016, 05, 14-16.	0.4	2

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91	IN VITRO EFECTS OF SELECTED BIOLOGICALLY ACTIVE COMPOUNDS ON RABBIT SPERMATOZOA MOTILITY BEHAVIOUR. Journal of Microbiology, Biotechnology and Food Sciences, 2017, 6, 1290-1294.	0.4	2
92	Crude glycerol negatively affects rabbit spermatozoa motility in vitro. Journal of the Hellenic Veterinary Medical Society, 2018, 67, 223.	0.1	2
93	The in Vitro Effect of Taurine on Boar Spermatozoa Quality. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2018, 66, 131-137.	0.2	2
94	The Effect of Mammary Gland-Specific Transgene Expression on Rabbit Reproductive Gland Structure. Folia Biologica, 2014, 62, 119-125.	0.1	1
95	Oxidative Stress in Preeclampsia. , 2015, , 283-290.		1
96	WPSII-9 In Vitro Effects of Two Selected Flavonoids on the Vitality of Stored Boar Spermatozoa.. Journal of Animal Science, 2018, 96, 518-518.	0.2	1
97	Anethum graveolens as a possible modulator of testicular steroidogenesis. IOP Conference Series: Earth and Environmental Science, 2019, 346, 012049.	0.2	1
98	In Vitro Effects of Selected Trichothecenes on the Rabbit Spermatozoa Motility Behavior â€“ A Comparative Study. Contemporary Agriculture, 2016, 65, 21-26.	0.3	1
99	Semen metal profile, spermatozoa morphology and Âsemen biochemical parameters in subfertile men with different lifestyle habits. Journal of Elementology, 2019, , .	0.0	1
100	BIS(2-ETHYLHEXYL) PHTALATE AFFECTS SPERMATOZOA MOTILITY DURING SHORT-TERM IN VITRO CULTIVATION. Journal of Microbiology, Biotechnology and Food Sciences, 2015, 4, 73-75.	0.4	1
101	COMPARISON OF TWO COLORIMETRIC ANTIOXIDANT CAPACITY ASSESSMENT METHODS IN BOVINE SEMEN FRACTIONS. Journal of Microbiology, Biotechnology and Food Sciences, 2016, 5, 47-49.	0.4	1
102	THE EFFECT OF RESVERATROL ON THE VITALITY OF MICE EPIDIDYMAL SPERMATOZOA. Journal of Microbiology, Biotechnology and Food Sciences, 2019, 9, 457-461.	0.4	1
103	The Impact of 4-Nonylphenol on the Viability and Hormone Production of Mouse Leydig Cells. Folia Biologica, 2016, 62, 34-9.	0.8	1
104	The Effect of Transgenesis on Rabbit Thyroid Tissue Structure. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2012, 41, 233-236.	0.3	0
105	The effect of gentamicin/kanamycin treatment on in vitro contamination of rabbit spermatozoa with selected bacterial strains. Animal Reproduction Science, 2018, 194, e2.	0.5	0
106	NBT Test. , 2019, , 195-205.		0
107	Quercetin Improves the Endocrine Function of Rat Testicular Tissue Under in Vitro Conditions. Contemporary Agriculture, 2021, 70, 1-5.	0.3	0
108	COMPARATIVE ANALYSIS OF THE EFFECTS OF CURCUMIN AND EPICATECHIN ON THE VITALITY OF ROOSTER SPERMATOZOA. Journal of Microbiology, Biotechnology and Food Sciences, 2021, 10, .	0.4	0

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109	Comparative analysis of the detrimental inÂvitro effects of three fusariotoxins on the selected structural and functional characteristics of rabbit spermatozoa. Drug and Chemical Toxicology, 2021, , 1-9.	1.2	0
110	Testicular and prostate cancers. , 2021, , 271-293.		0
111	Protective Effects of Î±-tocopherol on the Activity and Antioxidant Profile of Bovine Spermatozoa Subjected to Ferrous Ascorbate-Induced Oxidative Stress. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2016, 64, 1245-1255.	0.2	0
112	In Vitro Effects of Enterococcus Faecalis and Selected Biomolecules on the Motility of Rabbit Spermatozoa. Contemporary Agriculture, 2017, 66, 22-31.	0.3	0