

Sridharan Thalaivarasai Balasundaram

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

326
citations

1039406

9
h-index

940134

16
g-index

34
all docs

34
docs citations

34
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Cigarette smoking and its toxicological overview on human male fertility—a prospective review. <i>Toxin Reviews</i> , 2021, 40, 145-161.	1.5	8
2	Nanosilver reinforced <i>Parmelia sulcata</i> extract efficiently induces apoptosis and inhibits proliferative signalling in MCF-7 cells. <i>Environmental Research</i> , 2021, 199, 111375.	3.7	8
3	Identification and Structure Prediction of Human Septin-4 as a Biomarker for Diagnosis of Asthenozoospermic Infertile Patients—Critical Finding Toward Personalized Medicine. <i>Frontiers in Medicine</i> , 2021, 8, 723019.	1.2	2
4	Human prostasomes an extracellular vesicle — Biomarkers for male infertility and prostate cancer: The journey from identification to current knowledge. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 946-958.	3.6	23
5	Oxidation driven surface hydrophobicity in human seminal plasma results in protein structural changes. <i>Journal of Molecular Liquids</i> , 2020, 316, 113900.	2.3	5
6	Superparamagnetic hematite nanoparticle: Cytogenetic impact on onion roots and seed germination response of major crop plants. <i>IET Nanobiotechnology</i> , 2020, 14, 133-141.	1.9	9
7	Oxidative Stress-induced Changes in Fertility Status of Cryopreserved Sperm: a Diagnosis Based on Sperm Chromatin Dispersion Assay. <i>Cryo-Letters</i> , 2020, 41, 297-302.	0.1	1
8	Improvements in morphology and membrane stability obtained from TPP-TAB, a cryopreservation medium treated infertile smoker sperm cells — An in vitro study. <i>Toxicology Reports</i> , 2019, 6, 889-896.	1.6	1
9	Biosynthesis and statistical optimization of polyhydroxyalkanoate (PHA) produced by <i>Bacillus cereus</i> VIT-SSR1 and fabrication of biopolymer films for sustained drug release. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 945-958.	3.6	51
10	Deterioration of semen quality and sperm DNA integrity as influenced by cigarette smoking in fertile and infertile human male smokers—A prospective study. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 11784-11793.	1.2	23
11	Gold nanoparticles embedded itaconic acid based hydrogels. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	7
12	Simple isolation and characterization of seminal plasma extracellular vesicle and its total RNA in an academic lab. <i>3 Biotech</i> , 2018, 8, 139.	1.1	6
13	Investigation on pH/salt-responsive multifunctional itaconic acid based polymeric biocompatible, antimicrobial and biodegradable hydrogels. <i>Reactive and Functional Polymers</i> , 2018, 122, 9-21.	2.0	32
14	Ecofriendly pH-Tunable Hydrogels for Removal of Perilous Thiazine Dye. <i>Journal of Polymers and the Environment</i> , 2018, 26, 3773-3784.	2.4	5
15	Cadmium effects on sperm morphology and semenogelin with relates to increased ROS in infertile smokers: An in vitro and in silico approach. <i>Reproductive Biology</i> , 2018, 18, 189-197.	0.9	24
16	A Survey of Biochemical Parameters in Fertile Smokers-A Clinical Study. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 559.	0.2	4
17	Tea Poly Phenol-Zinc Oxide nano Particle effects on Infertile Smoker's Spermatozoa-A Short Report. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 667.	0.2	4
18	Identification and in silico Characterization of Semenogelin II Protein in Semen- A Marker for Diagnosis of male Infertility. <i>Current Proteomics</i> , 2018, 15, 313-319.	0.1	2

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19	Human sperm DNA damage inhibition and antioxidant activity of <i>T. arjuna</i> bark: an in vitro study. 3 Biotech, 2017, 7, 188.	1.1	3
20	ANTIMICROBIAL PEPTIDES IN SEMEN EXTENDERS: A VALUABLE REPLACEMENT OPTION FOR ANTIBIOTICS IN CRYOPRESERVATION- A Prospective Review. Journal of Experimental Biology and Agricultural Sciences, 2017, 5, 578-588.	0.1	4
21	Tea polyphenol- <i>T. arjuna</i> bark as sperm antioxidant extender in infertile smokers. Cryo-Letters, 2017, 38, 95-99.	0.1	3
22	Optimization of Human Semen Extender Components for Cryopreservation Using Statistical Tools. Cryo-Letters, 2017, 38, 434-444.	0.1	1
23	Screening, production, optimization and characterization of β -glucosidase using microbes from shellfish waste. 3 Biotech, 2016, 6, 213.	1.1	15
24	Validation of artificial neural network models for predicting biochemical markers associated with male infertility. Systems Biology in Reproductive Medicine, 2016, 62, 258-265.	1.0	24
25	Identification and analysis of the salt tolerant property of AHL lactonase (AiiA_{TSAWB}) of <i>Bacillus</i> species. Journal of Basic Microbiology, 2015, 55, 579-590.	1.8	14
26	Analysis of Seminal Plasma Proteins of South Indian Jersey and Hybrid Bulls and their Correlation with Semen Quality. Asian Journal of Animal Sciences, 2015, 10, 92-98.	0.3	3
27	EFFECT OF SEMEN EXTENDER ON PROTEIN CONCENTRATION IN EACH FRACTION OF CRYOPRESERVED HUMAN SEMEN. Cryo-Letters, 2015, 36, 405-12.	0.1	0
28	Prediction of Zn concentration in human seminal plasma of Normospermia samples by Artificial Neural Networks (ANN). Journal of Assisted Reproduction and Genetics, 2013, 30, 453-459.	1.2	13
29	Influence of trace elements and their correlation with semen quality in fertile and infertile subjects. Turkish Journal of Medical Sciences, 2013, 43, 1000-1007.	0.4	9
30	Correlation Studies on Human Seminal Plasma Proteins and Their Relation with Semen Freezability. Asian Journal of Biochemistry, 2013, 9, 41-48.	0.5	2
31	Purification and Characterization of Extracellular Protease from Halotolerant Bacterium <i>Virgibacillus dokdonensis</i> VITP14. Asian Journal of Biochemistry, 2012, 7, 123-132.	0.5	9
32	A Comparative Study of Distribution of Protein and Cholesterol in Various Fractions of Human Semen from Infertile and Fertile Subjects. International Journal of Infertility and Fetal Medicine, 2012, 3, 78-82.	0.0	2
33	Sensilla on the palps and legs of the adult soft tick <i>argas persicus</i> oken (IXODOIDEA: ARGASIDAE) and their projections to the central nervous system. Arthropod Structure and Development, 1998, 27, 273-289.	0.4	7
34	Synthesis and DNA Binding Study of Zinc (II) Co-Ordination Complexes. Advanced Materials Research, 0, 584, 401-405.	0.3	2