

Sridharan Thalaivarasai Balasundaram

List of Publications by Year in descending order

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34
papers

326
citations

1039406

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times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Validation of artificial neural network models for predicting biochemical markers associated with male infertility. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 258-265.	1.0	24
4	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
5	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
6	Human prostasomes an extracellular vesicle " Biomarkers for male infertility and prostrate cancer: The journey from identification to current knowledge. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 946-958.	3.6	23
7	Screening, production, optimization and characterization of β -glucosidase using microbes from shellfish waste. <i>3 Biotech</i> , 2016, 6, 213.	1.1	15
8	Identification and analysis of the salt tolerant property of AHL lactonase (AiiA _{TSAWB}) of <i>Bacillus</i> species. <i>Journal of Basic Microbiology</i> , 2015, 55, 579-590.	1.8	14
9	Prediction of Zn concentration in human seminal plasma of Normospermia samples by Artificial Neural Networks (ANN). <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 453-459.	1.2	13
10	Influence of trace elements and their correlation with semen quality in fertile and infertile subjects. <i>Turkish Journal of Medical Sciences</i> , 2013, 43, 1000-1007.	0.4	9
11	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
12	Purification and Characterization of Extracellular Protease from Halotolerant Bacterium <i>Virgibacillus dokdonensis</i> VITP14. <i>Asian Journal of Biochemistry</i> , 2012, 7, 123-132.	0.5	9
13	Cigarette smoking and its toxicological overview on human male fertility: a prospective review. <i>Toxin Reviews</i> , 2021, 40, 145-161.	1.5	8
14	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
15	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. <i>Arthropod Structure and Development</i> , 1998, 27, 273-289.	0.4	7
16	Gold nanoparticles embedded itaconic acid based hydrogels. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	7
17	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
18	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

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19	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
20	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
21	ANTIMICROBIAL PEPTIDES IN SEMEN EXTENDERS: A VALUABLE REPLACEMENT OPTION FOR ANTIBIOTICS IN CRYOPRESERVATION- A Prospective Review. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017, 5, 578-588.	0.1	4
22	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
23	Human sperm DNA damage inhibition and antioxidant activity of T. arjuna bark: an in vitro study. <i>3 Biotech</i> , 2017, 7, 188.	1.1	3
24	Analysis of Seminal Plasma Proteins of South Indian Jersey and Hybrid Bulls and their Correlation with Semen Quality. <i>Asian Journal of Animal Sciences</i> , 2015, 10, 92-98.	0.3	3
25	Tea polyphenol-T. arjuna bark as sperm antioxidant extender in infertile smokers. <i>Cryo-Letters</i> , 2017, 38, 95-99.	0.1	3
26	Synthesis and DNA Binding Study of Zinc (II) Co-Ordination Complexes. <i>Advanced Materials Research</i> , 0, 584, 401-405.	0.3	2
27	A Comparative Study of Distribution of Protein and Cholesterol in Various Fractions of Human Semen from Infertile and Fertile Subjects. <i>International Journal of Infertility and Fetal Medicine</i> , 2012, 3, 78-82.	0.0	2
28	Correlation Studies on Human Seminal Plasma Proteins and Their Relation with Semen Freezability. <i>Asian Journal of Biochemistry</i> , 2013, 9, 41-48.	0.5	2
29	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
30	Identification and Structure Prediction of Human Septin-4 as a Biomarker for Diagnosis of Asthenozoospermic Infertile Patientsâ€”Critical Finding Toward Personalized Medicine. <i>Frontiers in Medicine</i> , 2021, 8, 723019.	1.2	2
31	Improvements in morphology and membrane stability obtained from TPP-TAB, a cryopreservation medium treated infertile smoker sperm cells â€” An in vitro study. <i>Toxicology Reports</i> , 2019, 6, 889-896.	1.6	1
32	Optimization of Human Semen Extender Components for Cryopreservation Using Statistical Tools. <i>Cryo-Letters</i> , 2017, 38, 434-444.	0.1	1
33	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
34	EFFECT OF SEMEN EXTENDER ON PROTEIN CONCENTRATION IN EACH FRACTION OF CRYOPRESERVED HUMAN SEMEN. <i>Cryo-Letters</i> , 2015, 36, 405-12.	0.1	0