

Sunil K Singh

List of Publications by Year in descending order

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37
papers

1,809
citations

471509

17
h-index

345221

36
g-index

37
all docs

37
docs citations

37
times ranked

3147
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood Coagulation System and Carbon-Based Nanoengineering for Biomedical Application. <i>Materials Horizons</i> , 2022, , 279-298.	0.6	0
2	Role of Neurons and Glia Cells in Wound Healing as a Novel Perspective Considering Platelet as a Conventional Player. <i>Molecular Neurobiology</i> , 2022, 59, 137-160.	4.0	7
3	Mesoporous nanosilica: A thromboprotective nanomaterial for biomedical applications. <i>Toxicology in Vitro</i> , 2022, 83, 105421.	2.4	2
4	Phytochemicals as Potential Therapeutics for SARS-CoV-2-Induced Cardiovascular Complications: Thrombosis and Platelet Perspective. <i>Frontiers in Pharmacology</i> , 2021, 12, 658273.	3.5	8
5	Autoinducer N-(3-oxododecanoyl)-L-homoserine lactone induces calcium and reactive oxygen species-mediated mitochondrial damage and apoptosis in blood platelets. <i>Microbial Pathogenesis</i> , 2021, 154, 104792.	2.9	2
6	Quantification and optimization of clot retraction in washed human platelets by Sonoclot coagulation analysis. <i>International Journal of Laboratory Hematology</i> , 2021, 44, 177.	1.3	3
7	Electrochemically reduced graphene oxide modified with electrodeposited thionine and horseradish peroxidase for hydrogen peroxide sensing and inhibitive measurement of chromium. <i>Materials Science for Energy Technologies</i> , 2019, 2, 676-686.	1.8	5
8	Ultra-trace sensing of cadmium and lead by square wave anodic stripping voltammetry using ionic liquid modified graphene oxide. <i>Materials Science for Energy Technologies</i> , 2019, 2, 667-675.	1.8	16
9	Nanosilica: Recent Progress in Synthesis, Functionalization, Biocompatibility, and Biomedical Applications. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4882-4898.	5.2	100
10	Mechanism underlying N-(3-oxo-dodecanoyl)-L-homoserine lactone mediated intracellular calcium mobilization in human platelets. <i>Blood Cells, Molecules, and Diseases</i> , 2019, 79, 102340.	1.4	3
11	Crosstalk between Platelet and Bacteria: A Therapeutic Prospect. <i>Current Pharmaceutical Design</i> , 2019, 25, 4041-4052.	1.9	10
12	<i>Pseudomonas aeruginosa</i> quorum sensing molecule N-3-oxo-dodecanoyl-L-homoserine lactone activates human platelets through intracellular calcium-mediated ROS generation. <i>International Journal of Medical Microbiology</i> , 2018, 308, 858-864.	3.6	9
13	Role of ACE inhibitors in anthracycline-induced cardiotoxicity: A randomized, double-blind, placebo-controlled trial. <i>Pediatric Blood and Cancer</i> , 2018, 65, e27308.	1.5	39
14	H ₂ O ₂ sensing using HRP modified catalyst-free ZnO nanorods synthesized by RF sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	4
15	Genetic and epigenetic markers in colorectal cancer screening: recent advances. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 665-685.	3.1	22
16	Nanosilica based electrochemical biosensor: A novel approach for the detection of platelet-derived microparticles. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 322-329.	7.8	12
17	H ₂ O ₂ sensing through electrochemically deposited thionine coated ITO thin film. <i>Cellular and Molecular Biology</i> , 2017, 63, 56.	0.9	1
18	Nanocarbon-based Electrochemical Detection of Heavy Metals. <i>Electroanalysis</i> , 2016, 28, 2472-2488.	2.9	50

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19	Synthesis of Biocompatible TiO ₂ Nanodots: Glancing Angle Deposition Technique. Journal of Nanoscience and Nanotechnology, 2016, 16, 8705-8710.	0.9	3
20	Biomedical Perspective of Electrochemical Nanobiosensor. Nano-Micro Letters, 2016, 8, 193-203.	27.0	82
21	Genetic and Biochemical Diversity among Valeriana jatamansi Populations from Himachal Pradesh. Scientific World Journal, The, 2015, 2015, 1-10.	2.1	10
22	Graphene oxide-based biosensor for detection of platelet-derived microparticles: A potential tool for thrombus risk identification. Biosensors and Bioelectronics, 2015, 65, 274-280.	10.1	51
23	Self-assembled aliphatic chain extended polyurethane nanobiohybrids: Emerging hemocompatible biomaterials for sustained drug delivery. Acta Biomaterialia, 2014, 10, 2133-2146.	8.3	68
24	Melatonin regulates splenocytes proliferation via IP3-dependent intracellular Ca ²⁺ release in seasonally breeding bird, <i>Perdicula asiatica</i> . Journal of Receptor and Signal Transduction Research, 2014, 34, 233-240.	2.5	7
25	Cloning, characterization, expression analysis and inhibition studies of a novel gene encoding Bowman's Birk type protease inhibitor from rice bean. Gene, 2014, 546, 342-351.	2.2	17
26	CNT Induced β -Phase in Polylactide: Unique Crystallization, Biodegradation, and Biocompatibility. Journal of Physical Chemistry C, 2013, 117, 10163-10174.	3.1	57
27	Novel microfilaricidal activity of nanosilver. International Journal of Nanomedicine, 2012, 7, 1023.	6.7	21
28	Effect of Silver Nanoparticles on Growth of Eukaryotic Green Algae. Nano-Micro Letters, 2012, 4, 158-165.	27.0	75
29	Amine-Modified Graphene: Thrombo-Protective Safer Alternative to Graphene Oxide for Biomedical Applications. ACS Nano, 2012, 6, 2731-2740.	14.6	420
30	Nanostructure controlled anti-cancer drug delivery using poly(μ -caprolactone) based nanohybrids. Journal of Materials Chemistry, 2012, 22, 17853.	6.7	47
31	Non-thrombotic and haemocompatible amine-modified graphene is a safer alternative to graphene oxide for biomedical use. FASEB Journal, 2012, 26, 681.18.	0.5	1
32	Thrombus Inducing Property of Atomically Thin Graphene Oxide Sheets. ACS Nano, 2011, 5, 4987-4996.	14.6	262
33	Characterization of Graphene Oxide by Flow Cytometry and Assessment of Its Cellular Toxicity. Journal of Biomedical Nanotechnology, 2011, 7, 30-31.	1.1	13
34	Negative regulation of fibrin polymerization and clot formation by nanoparticles of silver. Colloids and Surfaces B: Biointerfaces, 2011, 82, 241-246.	5.0	36
35	Size distribution analysis and physical/fluorescence characterization of graphene oxide sheets by flow cytometry. Carbon, 2011, 49, 684-692.	10.3	37
36	Characterization of Antiplatelet Properties of Silver Nanoparticles. ACS Nano, 2009, 3, 1357-1364.	14.6	301

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37	Stabilization of Protein by Biocompatible Nanoparticles of Silver. Journal of Bionanoscience, 2009, 3, 88-96.	0.4	8