

# Sushil Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7859879/publications.pdf>

Version: 2024-02-01

17  
papers

479  
citations

933447

10  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seed treatment with iron pyrite (FeS <sub>2</sub> ) nanoparticles increases the production of spinach. RSC Advances, 2014, 4, 58495-58504.	3.6	122
2	Nano-iron pyrite seed dressing: a sustainable intervention to reduce fertilizer consumption in vegetable (beetroot, carrot), spice (fenugreek), fodder (alfalfa), and oilseed (mustard, sesamum) crops. Nanotechnology for Environmental Engineering, 2016, 1, 1.	3.3	65
3	Electricity from the Silk Cocoon Membrane. Scientific Reports, 2014, 4, 5434.	3.3	63
4	Nanoceria based electrochemical sensor for hydrogen peroxide detection. Biointerphases, 2014, 9, 031011.	1.6	51
5	Synthesis of hydrophilic carbon black; role of hydrophilicity in maintaining the hydration level and protonic conduction. RSC Advances, 2013, 3, 3917.	3.6	42
6	Graphene oxide from silk cocoon: a novel magnetic fluorophore for multi-photon imaging. 3 Biotech, 2014, 4, 67-75.	2.2	31
7	Nano iron pyrite (FeS <sub>2</sub> ) exhibits bi-functional electrode character. RSC Advances, 2016, 6, 16859-16867.	3.6	30
8	The seed stimulant effect of nano iron pyrite is compromised by nano cerium oxide: regulation by the trace ionic species generated in the aqueous suspension of iron pyrite. RSC Advances, 2016, 6, 67029-67038.	3.6	21
9	The role of photo-electric properties of silk cocoon membrane in pupal metamorphosis: A natural solar cell. Scientific Reports, 2016, 6, 21915.	3.3	11
10	Cerium oxide nanozyme modulate the "exercise" redox biology of skeletal muscle. Materials Research Express, 2017, 4, 055401.	1.6	11
11	Highly ordered polyaniline: synthesis, characterization and electrochemical properties. Polymer Bulletin, 2020, 77, 3277-3286.	3.3	10
12	Nanocerium oxide increases the survival of adult rod and cone photoreceptor in culture by abrogating hydrogen peroxide-induced oxidative stress. Biointerphases, 2016, 11, 031016.	1.6	9
13	A glowing antioxidant from tasar silk cocoon. RSC Advances, 2015, 5, 104563-104573.	3.6	5
14	Growth and optical properties of nano-textured (110) Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> /(001) ZnO hetero-structure on oxidized silicon substrate. Journal of Materials Science: Materials in Electronics, 2017, 28, 5058-5062.	2.2	3
15	Polyethylene glycol functionalized cerium oxide nanoparticle confer protection against UV- induced oxidative damage in skin: evidences for a new class of UV filter. Nano Express, 2020, 1, 010038.	2.4	3
16	Silk Fiber Multiwalled Carbon Nanotube-Based Micro-/Nanofiber Composite as a Conductive Fiber and a Force Sensor. ACS Omega, 2022, 7, 20809-20818.	3.5	2
17	An Experimental Analysis of Silk Cocoon Layer-PANI Polymer Composite as Electrode for Thermoelectric Generator Application. Asian Journal of Chemistry, 2022, 34, 1021-1026.	0.3	0