

# Vinod Kumar

## List of Publications by Citations

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728  
papers

17,442  
citations

61  
h-index

94  
g-index

789  
ext. papers

22,275  
ext. citations

3.8  
avg. IF

7.58  
L-index

#	Paper	IF	Citations
728	Pyrazole containing natural products: synthetic preview and biological significance. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 69, 735-53	6.8	351
727	Upconversion based temperature sensing ability of Er <sup>3+</sup> /Yb <sup>3+</sup> codoped SrWO <sub>4</sub> : An optical heating phosphor. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 209, 352-358	8.5	287
726	Inflammasome inhibition prevents $\beta$ -synuclein pathology and dopaminergic neurodegeneration in mice. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	286
725	Worldwide pesticide usage and its impacts on ecosystem. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	268
724	Phytohormones Regulate Accumulation of Osmolytes Under Abiotic Stress. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	224
723	Global evaluation of heavy metal content in surface water bodies: A meta-analysis using heavy metal pollution indices and multivariate statistical analyses. <i>Chemosphere</i> , <b>2019</b> , 236, 124364	8.4	210
722	Origin of the red emission in zinc oxide nanophosphors. <i>Materials Letters</i> , <b>2013</b> , 101, 57-60	3.3	206
721	Defect correlated fluorescent quenching and electron phonon coupling in the spectral transition of Eu <sup>3+</sup> in CaTiO <sub>3</sub> for red emission in display application. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 193101	2.5	205
720	Food waste: a potential bioresource for extraction of nutraceuticals and bioactive compounds. <i>Bioresources and Bioprocessing</i> , <b>2017</b> , 4,	5.2	195
719	Pollution assessment of heavy metals in soils of India and ecological risk assessment: A state-of-the-art. <i>Chemosphere</i> , <b>2019</b> , 216, 449-462	8.4	185
718	Microbial biofertilizers: Bioresources and eco-friendly technologies for agricultural and environmental sustainability. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2020</b> , 23, 101487	4.2	175
717	Isoxazoline containing natural products as anticancer agents: a review. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 77, 121-33	6.8	171
716	The energy transfer phenomena and colour tunability in Y <sub>2</sub> O <sub>2</sub> S:Eu(3+)/Dy(3+) micro-fibers for white emission in solid state lighting applications. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9860-71	4.3	163
715	Photosynthetic Response of Plants Under Different Abiotic Stresses: A Review. <i>Journal of Plant Growth Regulation</i> , <b>2020</b> , 39, 509-531	4.7	139
714	Enhanced upconversion and temperature sensing study of Er <sup>3+</sup> /Yb <sup>3+</sup> codoped tungsten tellurite glass. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 1305-1312	8.5	136
713	Medicinal importance of gallic acid and its ester derivatives: a patent review. <i>Pharmaceutical Patent Analyst</i> , <b>2015</b> , 4, 305-15	0.6	135
712	Rare Earth Doped Zinc Oxide Nanophosphor Powder: A Future Material for Solid State Lighting and Solar Cells. <i>ACS Photonics</i> , <b>2017</b> , 4, 2613-2637	6.3	131

711	Role of film thickness on the properties of ZnO thin films grown by sol-gel method. <i>Thin Solid Films</i> , <b>2013</b> , 539, 161-165	2.2	126
710	Catalytic properties, functional attributes and industrial applications of $\beta$ -glucosidases. <i>3 Biotech</i> , <b>2016</b> , 6, 3	2.8	116
709	Tunable and white emission from ZnO:Tb <sup>3+</sup> nanophosphors for solid state lighting applications. <i>Chemical Engineering Journal</i> , <b>2014</b> , 255, 541-552	14.7	114
708	Optical and photocatalytic properties of heavily F(-)-doped SnO <sub>2</sub> nanocrystals by a novel single-source precursor approach. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 5637-45	5.1	111
707	Recent Developments on 1,2,4-Triazole Nucleus in Anticancer Compounds: A Review. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2016</b> , 16, 465-89	2.2	110
706	Biodiversity of Endophytic Fungi from Diverse Niches and Their Biotechnological Applications. <i>Fungal Biology</i> , <b>2019</b> , 105-144	2.3	108
705	Structural, Transport and Optical Properties of Boron-doped Zinc Oxide Nanocrystalline. <i>Journal of Materials Science and Technology</i> , <b>2011</b> , 27, 481-488	9.1	104
704	AgNO <sub>3</sub> - a potential regulator of ethylene activity and plant growth modulator. <i>Electronic Journal of Biotechnology</i> , <b>2009</b> , 12, 0-0	3.1	103
703	Radiation resistance: Cancer stem cells (CSCs) and their enigmatic pro-survival signaling. <i>Seminars in Cancer Biology</i> , <b>2015</b> , 35, 39-44	12.7	97
702	Nonsampled shearlet based CT and MR medical image fusion using biologically inspired spiking neural network. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 18, 91-101	4.9	96
701	Synthesis of ZnO:TiO <sub>2</sub> nanocomposites for photocatalyst application in visible light. <i>Vacuum</i> , <b>2019</b> , 160, 154-163	3.7	94
700	Beneficial Plant-Microbes Interactions: Biodiversity of Microbes from Diverse Extreme Environments and Its Impact for Crop Improvement <b>2017</b> , 543-580		93
699	Resistance against various fungal pathogens and reniform nematode in transgenic cotton plants expressing Arabidopsis NPR1. <i>Transgenic Research</i> , <b>2010</b> , 19, 959-75	3.3	93
698	Chromium Bioaccumulation and Its Impacts on Plants: An Overview. <i>Plants</i> , <b>2020</b> , 9,	4.5	90
697	Biodiversity of the Genus Penicillium in Different Habitats <b>2018</b> , 3-18		86
696	Effect of Eu doping on the photoluminescence properties of ZnO nanophosphors for red emission applications. <i>Applied Surface Science</i> , <b>2014</b> , 308, 419-430	6.7	86
695	Microbe-mediated alleviation of drought stress and acquisition of phosphorus in great millet ( <i>Sorghum bicolor</i> L.) by drought-adaptive and phosphorus-solubilizing microbes. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2020</b> , 23, 101501	4.2	85
694	Effect of annealing on the structural, morphological and photoluminescence properties of ZnO thin films prepared by spin coating. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 428, 8-15	9.3	83

693	Purification and characterization of a novel and robust L-asparaginase having low-glutaminase activity from <i>Bacillus licheniformis</i> : in vitro evaluation of anti-cancerous properties. <i>PLoS ONE</i> , <b>2014</b> , 9, e99037	3.7	82
692	Copper bioavailability, uptake, toxicity and tolerance in plants: A comprehensive review. <i>Chemosphere</i> , <b>2021</b> , 262, 127810	8.4	82
691	Water retention and dye adsorption behavior of Gg-cl-poly(acrylic acid-aniline) based conductive hydrogels. <i>Geoderma</i> , <b>2014</b> , 232-234, 45-55	6.7	80
690	Efficient production of L-asparaginase from <i>Bacillus licheniformis</i> with low-glutaminase activity: optimization, scale up and acrylamide degradation studies. <i>Bioresource Technology</i> , <b>2012</b> , 125, 11-6	11	80
689	Alleviation of Drought Stress and Plant Growth Promotion by <i>Pseudomonas libanensis</i> EU-LWNA-33, a Drought-Adaptive Phosphorus-Solubilizing Bacterium. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2020</b> , 90, 785-795	1.4	79
688	An assessment of data formats for layered manufacturing. <i>Advances in Engineering Software</i> , <b>1997</b> , 28, 151-164	3.6	78
687	Amelioration of drought stress in Foxtail millet ( <i>Setaria italica</i> L.) by P-solubilizing drought-tolerant microbes with multifarious plant growth promoting attributes. <i>Environmental Sustainability</i> , <b>2020</b> , 3, 23-34	2.9	77
686	Citrus limonin and its glucoside inhibit colon adenocarcinoma cell proliferation through apoptosis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2314-23	5.7	77
685	Nonlinear optical properties of erbium doped zinc oxide (EZO) thin films. <i>Optics Communications</i> , <b>2012</b> , 285, 2182-2188	2	75
684	Pre-sowing Seed Treatment with 24-Epibrassinolide Ameliorates Pesticide Stress in L. through the Modulation of Stress Markers. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1569	6.2	75
683	Structural, optical and photoluminescence properties of Eu doped ZnO nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 182, 42-49	4.4	72
682	The role of surface and deep-level defects on the emission of tin oxide quantum dots. <i>Nanotechnology</i> , <b>2014</b> , 25, 135701	3.4	71
681	Isolation of phytase-producing bacteria from Himalayan soils and their effect on growth and phosphorus uptake of Indian mustard ( <i>Brassica juncea</i> ). <i>World Journal of Microbiology and Biotechnology</i> , <b>2013</b> , 29, 1361-9	4.4	71
680	Approaches towards the synthesis of 5-aminopyrazoles. <i>Beilstein Journal of Organic Chemistry</i> , <b>2011</b> , 7, 179-97	2.5	71
679	Defense-related gene expression and enzyme activities in transgenic cotton plants expressing an endochitinase gene from <i>Trichoderma virens</i> in response to interaction with <i>Rhizoctonia solani</i> . <i>Planta</i> , <b>2009</b> , 230, 277-91	4.7	70
678	Endophytic Microbes from Diverse Wheat Genotypes and Their Potential Biotechnological Applications in Plant Growth Promotion and Nutrient Uptake. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2020</b> , 90, 969-979	1.4	69
677	Photosensitizing activity of ferrocenyl bearing Ni(II) and Cu(II) dithiocarbamates in dye sensitized TiO <sub>2</sub> solar cells. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4752-61	4.3	66
676	Doped zinc oxide window layers for dye sensitized solar cells. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 134506	5	66

675	Detection of myocardial infarction in 12 lead ECG using support vector machine. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 64, 138-147	7.5	66
674	Sustainable synthesis of single crystalline sulphur-doped graphene quantum dots for bioimaging and beyond. <i>Green Chemistry</i> , <b>2018</b> , 20, 4245-4259	10	66
673	Recent developments on the structure-activity relationship studies of MAO inhibitors and their role in different neurological disorders. <i>RSC Advances</i> , <b>2016</b> , 6, 42660-42683	3.7	64
672	Effect of Br <sup>+</sup> ions on the structural, morphological and luminescent properties of ZnO/Si thin films. <i>Applied Surface Science</i> , <b>2013</b> , 279, 472-478	6.7	63
671	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-4-phenyl-3-trifluoromethylpyrazoles. <i>European Journal of Medicinal Chemistry</i> , <b>2005</b> , 40, 922-7	6.8	63
670	Drought-Tolerant Phosphorus-Solubilizing Microbes: Biodiversity and Biotechnological Applications for Alleviation of Drought Stress in Plants. <i>Microorganisms for Sustainability</i> , <b>2019</b> , 255-308	1.1	63
669	Feature-Motivated Simplified Adaptive PCNN-Based Medical Image Fusion Algorithm in NSST Domain. <i>Journal of Digital Imaging</i> , <b>2016</b> , 29, 73-85	5.3	62
668	Production of biodiesel and bioethanol using algal biomass harvested from fresh water river. <i>Renewable Energy</i> , <b>2018</b> , 116, 606-612	8.1	61
667	Expression of apoplastically secreted tobacco osmotin in cotton confers drought tolerance. <i>Molecular Breeding</i> , <b>2009</b> , 23, 625-639	3.4	61
666	An unusual, mild and convenient one-pot two-step access to (E)-stilbenes from hydroxy-substituted benzaldehydes and phenylacetic acids under microwave activation: a new facet of the classical Perkin reaction. <i>Tetrahedron</i> , <b>2007</b> , 63, 11070-11077	2.4	61
665	Assessment of heavy-metal pollution in three different Indian water bodies by combination of multivariate analysis and water pollution indices. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2020</b> , 26, 1-16	4.9	61
664	Synthesis and properties of poly(acrylamide-aniline)-grafted gum ghatti based nanospikes. <i>RSC Advances</i> , <b>2013</b> , 3, 25830	3.7	60
663	Microbiome in Crops: Diversity, Distribution, and Potential Role in Crop Improvement <b>2018</b> , 305-332		59
662	Propeller phytases: Diversity, catalytic attributes, current developments and potential biotechnological applications. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 595-609	7.9	58
661	Kinetic Characterization and Effect of Immobilized Thermostable $\beta$ -Glucosidase in Alginate Gel Beads on Sugarcane Juice <b>2014</b> , 2014, 178498		58
660	Influence of sol concentration on CdO nanostructure with gas sensing application. <i>Applied Surface Science</i> , <b>2017</b> , 409, 8-16	6.7	57
659	Pharmacological inhibition of complement C5a-C5a receptor signalling ameliorates disease pathology in the hSOD1 mouse model of amyotrophic lateral sclerosis. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 689-699	8.6	56
658	Synthesis and antibacterial activity of some new 1-heteroaryl-5-amino-3H/methyl-4-phenylpyrazoles. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 1785-94		56

- 657 Synthesis and biodegradation studies of gamma irradiated electrically conductive hydrogels. *Polymer Degradation and Stability*, **2014**, 107, 166-177 4.7 55
- 656 Evolution of Sustainability as Marketing Strategy: Beginning of New Era. *Procedia, Social and Behavioral Sciences*, **2012**, 37, 482-489 55
- 655 Multimetal tolerance mechanisms in bacteria: The resistance strategies acquired by bacteria that can be exploited to 'clean-up' heavy metal contaminants from water. *Aquatic Toxicology*, **2019**, 212, 1-10<sup>5.1</sup> 54
- 654 Swift heavy ion irradiation induced modification in structural, optical and luminescence properties of Y<sub>2</sub>O<sub>3</sub>:Tb<sup>3+</sup> nanophosphor. *Journal of Luminescence*, **2014**, 146, 162-173 3.8 54
- 653 COVID-19-mandated social restrictions unveil the impact of social time pressure on sleep and body clock. *Scientific Reports*, **2020**, 10, 22225 4.9 54
- 652 Castasterone and citric acid treatment restores photosynthetic attributes in Brassica juncea L. under Cd(II) toxicity. *Ecotoxicology and Environmental Safety*, **2017**, 145, 466-475 7 53
- 651 Influence of ultrasonication times on the tunable colour emission of ZnO nanophosphors for lighting applications. *Ultrasonics Sonochemistry*, **2014**, 21, 1549-56 8.9 52
- 650 Investigation of cation (Sn<sup>2+</sup>) and anion (N<sup>3-</sup>) substitution in favor of visible light photocatalytic activity in the layered perovskite K<sub>2</sub>La<sub>2</sub>Ti<sub>3</sub>O<sub>10</sub>. *Journal of Hazardous Materials*, **2011**, 189, 502-8 12.8 52
- 649 Root exudates ameliorate cadmium tolerance in plants: A review. *Environmental Chemistry Letters*, **2020**, 18, 1243-1275 13.3 51
- 648 Softening of phonons by lattice defects and structural strain in heavy ion irradiated nanocrystalline zinc oxide films. *Journal of Applied Physics*, **2011**, 110, 083520 2.5 51
- 647 Synthesis of Biodegradable Gum ghatti Based Poly(methacrylic acid-aniline) Conducting IPN Hydrogel for Controlled Release of Amoxicillin Trihydrate. *Industrial & Engineering Chemistry Research*, **2015**, 54, 1982-1991 3.9 50
- 646 Evaluation of phytase producing bacteria for their plant growth promoting activities. *International Journal of Microbiology*, **2014**, 2014, 426483 3.6 50
- 645 Ionic liquid-controlled J- versus H-aggregation of cyanine dyes. *Chemical Communications*, **2011**, 47, 4730-2 50
- 644 Synthesis and characterization of Er<sup>3+</sup>-Yb<sup>3+</sup> doped ZnO upconversion nanoparticles for solar cell application. *Journal of Alloys and Compounds*, **2018**, 766, 429-435 5.7 50
- 643 24-epibrassinolide stimulates imidacloprid detoxification by modulating the gene expression of Brassica juncea L. *BMC Plant Biology*, **2017**, 17, 56 5.3 49
- 642 Probing Gallic Acid for Its Broad Spectrum Applications. *Mini-Reviews in Medicinal Chemistry*, **2018**, 18, 1283-1293 3.2 49
- 641 Brassinosteroid-mediated pesticide detoxification in plants: A mini-review. *Cogent Food and Agriculture*, **2018**, 4, 1436212 1.8 48
- 640 Fertigation effect of distillery effluent on agronomical practices of Trigonella foenum-graecum L. (Fenugreek). *Environmental Monitoring and Assessment*, **2012**, 184, 1207-19 3.1 48



639	Sustainability Marketing Strategy: An Analysis of Recent Literature. <i>Global Business Review</i> , <b>2013</b> , 14, 601-625	1.1	48
638	DDQ catalyzed benzylic acetoxylation of arylalkanes: a case of exquisitely controlled oxidation under sonochemical activation. <i>Tetrahedron</i> , <b>2007</b> , 63, 9718-9723	2.4	48
637	Accumulation and translocation of metals in soil and different parts of French bean ( <i>Phaseolus vulgaris</i> L.) amended with sewage sludge. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2014</b> , 92, 103-8	2.7	47
636	Synthesis, characterization and water retention study of biodegradable Gum ghatti-poly(acrylic acid- <i>n</i> -iline) hydrogels. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 111, 20-31	4.7	46
635	Intermolecular anagostic interactions in group 10 metal dithiocarbamates. <i>CrystEngComm</i> , <b>2014</b> , 16, 9299-9307	3.3	46
634	A Chemoselective Hydrogenation of the Olefinic Bond of $\alpha$ -Unsaturated Carbonyl Compounds in Aqueous Medium under Microwave Irradiation. <i>Advanced Synthesis and Catalysis</i> , <b>2006</b> , 348, 354-360	5.6	46
633	Differential distribution of amino acids in plants. <i>Amino Acids</i> , <b>2017</b> , 49, 821-869	3.5	45
632	Distillery effluent as a potential medium for bacterial cellulose production: A biopolymer of great commercial importance. <i>Bioresource Technology</i> , <b>2018</b> , 250, 922-926	11	45
631	Unique Versatility of Ionic Liquids as Clean Decarboxylation Catalyst Cum Solvent: A Metal- and Quinoline-Free Paradigm towards Synthesis of Indoles, Styrenes, Stilbenes and Arene Derivatives under Microwave Irradiation in Aqueous Conditions. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 2910-2920	5.6	45
630	The reaction of hydroxylamine with aryl trifluoromethyl- $\beta$ -diketones: Synthesis of 5-hydroxy-5-trifluoromethyl- $\beta$ -isoxazolines and their dehydration to 5-trifluoromethylisoxazoles. <i>Journal of Fluorine Chemistry</i> , <b>2006</b> , 127, 880-888	2.1	45
629	Impact assessment of metal contamination in surface water of Sutlej River (India) on human health risks. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114907	9.3	43
628	Highly transparent and conducting boron doped zinc oxide films for window of Dye Sensitized Solar Cell applications. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 544, 120-124	5.7	43
627	Understanding the binding affinity of nospapines with protease of SARS-CoV-2 for COVID-19 using MD simulations at different temperatures. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 2659-2672	3.6	43
626	The role of oxygen and titanium related defects on the emission of TiO <sub>2</sub> :Tb <sup>3+</sup> nano-phosphor for blue lighting applications. <i>Optical Materials</i> , <b>2015</b> , 46, 510-516	3.3	42
625	Transparent conducting ZnO-CdO mixed oxide thin films grown by the sol-gel method. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 487, 378-387	9.3	42
624	Production of microbial cellulose by a bacterium isolated from fruit. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 1157-71	3.2	42
623	Ecological risk assessment and source apportionment of heavy metal contamination in agricultural soils of Northeastern Iran. <i>International Journal of Environmental Health Research</i> , <b>2019</b> , 29, 544-560	3.6	42
622	Biodiversity, current developments and potential biotechnological applications of phosphorus-solubilizing and -mobilizing microbes: A review. <i>Pedosphere</i> , <b>2021</b> , 31, 43-75	5	42

621	An Efficient Mutual Authentication Framework for Healthcare System in Cloud Computing. <i>Journal of Medical Systems</i> , <b>2018</b> , 42, 142	5.1	42
620	Trifluoromethylpyrazoles as anti-inflammatory and antibacterial agents: A review. <i>Journal of Fluorine Chemistry</i> , <b>2015</b> , 178, 306-326	2.1	41
619	Optical and surface enhanced Raman scattering properties of Au nanoparticles embedded in and located on a carbonaceous matrix. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 2468-80	3.6	41
618	Unusual C#N#Ni anagostic interactions in new homoleptic Ni(II) dithio complexes. <i>CrystEngComm</i> , <b>2013</b> , 15, 4676	3.3	41
617	Growth kinetics of ZnO nanocrystallites: Structural, optical and photoluminescence properties tuned by thermal annealing. <i>Current Applied Physics</i> , <b>2011</b> , 11, 624-630	2.6	41
616	Annealing temperature dependent investigations on nano-cauliflower like structure of CdO thin film grown by sol-gel method. <i>Surfaces and Interfaces</i> , <b>2017</b> , 6, 11-17	4.1	40
615	Multimodality medical image fusion based on new features in NSST domain. <i>Biomedical Engineering Letters</i> , <b>2014</b> , 4, 414-424	3.6	40
614	A new statistical PCA-ICA algorithm for location of R-peaks in ECG. <i>International Journal of Cardiology</i> , <b>2008</b> , 129, 146-8	3.2	39
613	A new health care system enabled by machine intelligence: Elderly people's trust or losing self control. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 162, 120334	9.5	39
612	Synthesis and biological evaluation of pyrimidine bridged combretastatin derivatives as potential anticancer agents and mechanistic studies. <i>Bioorganic Chemistry</i> , <b>2018</b> , 78, 130-140	5.1	38
611	Chitosan-supported copper as an efficient and recyclable heterogeneous catalyst for A3/decarboxylative A3-coupling reaction. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 1986-1991	2	38
610	Substrate dependent structural, optical and electrical properties of ZnS thin films grown by RF sputtering. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 84, 530-536	3	38
609	Microbe-mediated biofortification for micronutrients: Present status and future challenges <b>2020</b> , 1-17		37
608	Temporal distribution, source apportionment, and pollution assessment of metals in the sediments of Beas river, India. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2018</b> , 24, 2162-2181	4.9	37
607	Stable transformation and direct regeneration in <i>Coffea canephora</i> P ex. Fr. by <i>Agrobacterium rhizogenes</i> mediated transformation without hairy-root phenotype. <i>Plant Cell Reports</i> , <b>2006</b> , 25, 214-22	5.1	37
606	Molecular Approaches for Combating Multiple Abiotic Stresses in Crops of Arid and Semi-arid Region. <i>Energy, Environment, and Sustainability</i> , <b>2019</b> , 149-170	0.8	37
605	Examining consumer-brand relationships on social media platforms. <i>Marketing Intelligence and Planning</i> , <b>2018</b> , 36, 63-78	3.2	37
604	Nitric oxide-mediated regulation of oxidative stress in plants under metal stress: a review on molecular and biochemical aspects. <i>Physiologia Plantarum</i> , <b>2020</b> , 168, 318-344	4.6	36



603	CaTiO <sub>3</sub> :Eu <sup>3+</sup> , a potential red long lasting phosphor: Energy migration and characterization of trap level distribution. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 1068-1073	5.7	36
602	Deep level defect correlated emission and Si diffusion in ZnO:Tb(3+) thin films prepared by pulsed laser deposition. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 465, 295-303	9.3	36
601	Water quality assessment of river Beas, India, using multivariate and remote sensing techniques. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 137	3.1	36
600	Role of silver doping on the defects related photoluminescence and antibacterial behaviour of zinc oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 191-199	6	36
599	Novel lithium-containing honeycomb structures. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 10471-3	5.1	36
598	Small-scale phyco-mitigation of raw urban wastewater integrated with biodiesel production and its utilization for aquaculture. <i>Bioresource Technology</i> , <b>2020</b> , 297, 122489	11	36
597	Spatial distribution and potential ecological risk assessment of heavy metals in agricultural soils of Northeastern Iran <b>2020</b> , 4, 87-103		36
596	Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196016 <sup>3.7</sup>		36
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