

# Vikas Sharma

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5926427/publications.pdf>

Version: 2024-02-01

202  
papers

5,608  
citations

71097

41  
h-index

118840

62  
g-index

203  
all docs

203  
docs citations

203  
times ranked

7453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phyllanthus amarus: Ethnomedicinal uses, phytochemistry and pharmacology: A review. Journal of Ethnopharmacology, 2011, 138, 286-313.	4.1	231
2	In silico selection of therapeutic antibodies for development: Viscosity, clearance, and chemical stability. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18601-18606.	7.1	190
3	Physicochemical Stability of the Antibody-Drug Conjugate Trastuzumab-DM1: Changes due to Modification and Conjugation Processes. Bioconjugate Chemistry, 2010, 21, 1588-1595.	3.6	161
4	Sol-gel-derived super-hydrophilic nickel doped TiO <sub>2</sub> film as active photo-catalyst. Applied Catalysis A: General, 2006, 314, 40-46.	4.3	141
5	A neural network potential-energy surface for the water dimer based on environment-dependent atomic energies and charges. Journal of Chemical Physics, 2012, 136, 064103.	3.0	117
6	Investigation into Temperature-Induced Aggregation of an Antibody Drug Conjugate. Bioconjugate Chemistry, 2013, 24, 1674-1683.	3.6	104
7	Driveline Infections in Left Ventricular Assist Devices: Implications for Destination Therapy. Annals of Thoracic Surgery, 2012, 94, 1381-1386.	1.3	101
8	A Review on Plants Used for Improvement of Sexual Performance and Virility. BioMed Research International, 2014, 2014, 1-19.	1.9	101
9	Synthesis and pharmacological evaluation of novel 5-substituted-1-(phenylsulfonyl)-2-methylbenzimidazole derivatives as anti-inflammatory and analgesic agents. European Journal of Medicinal Chemistry, 2010, 45, 2245-2249.	5.5	100
10	Development and characterization of chitosan coated poly-( $\epsilon$ -caprolactone) nanoparticulate system for effective immunization against influenza. Vaccine, 2011, 29, 9026-9037.	3.8	82
11	Spilanthes acmella ethanolic flower extract: LC-MS alkylamide profiling and its effects on sexual behavior in male rats. Phytomedicine, 2011, 18, 1161-1169.	5.3	80
12	VIP/PACAP oppositely affects immature and mature dendritic cell expression of CD80/CD86 and the stimulatory activity for CD4 <sup>+</sup> T cells. Journal of Leukocyte Biology, 2004, 75, 1122-1130.	3.3	78
13	Labile carbon pools and soil organic carbon stocks in the foothill Himalayas under different land use systems. Geoderma, 2014, 232-234, 81-87.	5.1	76
14	Protein Structural Conformation and Not Second Virial Coefficient Relates to Long-Term Irreversible Aggregation of a Monoclonal Antibody and Ovalbumin in Solution. Pharmaceutical Research, 2006, 23, 1382-1394.	3.5	75
15	A novel in vitro method to model the fate of subcutaneously administered biopharmaceuticals and associated formulation components. Journal of Controlled Release, 2015, 214, 94-102.	9.9	75
16	Granzyme B, a New Player in Activation-Induced Cell Death, Is Down-Regulated by Vasoactive Intestinal Peptide in Th2 but Not Th1 Effectors. Journal of Immunology, 2006, 176, 97-110.	0.8	73
17	Polymorphisms in human soluble epoxide hydrolase: effects on enzyme activity, enzyme stability, and quaternary structure. Archives of Biochemistry and Biophysics, 2004, 427, 164-169.	3.0	68
18	Evaluating the Use of Antibody Variable Region (Fv) Charge as a Risk Assessment Tool for Predicting Typical Cynomolgus Monkey Pharmacokinetics. Journal of Biological Chemistry, 2015, 290, 29732-29741.	3.4	67

#	ARTICLE	IF	CITATIONS
19	Mechanistic studies on aggregation of polyethylenimine-DNA complexes and its prevention. <i>Biotechnology and Bioengineering</i> , 2005, 90, 614-620.	3.3	66
20	Evaluation of rice and sugarcane SSR markers for phylogenetic and genetic diversity analyses in bamboo. <i>IHBT Publication No. 0732.. Genome</i> , 2008, 51, 91-103.	2.0	64
21	Correction of Cubitus Varus by French or Dome Osteotomy: A Comparative Study. <i>Journal of Trauma</i> , 2000, 49, 717-721.	2.3	63
22	Surface characterization of plasma-treated and PEG-grafted PDMS for micro fluidic applications. <i>Vacuum</i> , 2007, 81, 1094-1100.	3.5	63
23	Surgical Unroofing of Anomalous Aortic Origin of a Coronary Artery: A Single-Center Experience. <i>Annals of Thoracic Surgery</i> , 2014, 98, 941-945.	1.3	62
24	De Novo Aortic Insufficiency During Long-Term Support on a Left Ventricular Assist Device. <i>ASAIO Journal</i> , 2014, 60, 183-188.	1.6	60
25	Determination of Second Virial Coefficient of Proteins Using a Dual-Detector Cell for Simultaneous Measurement of Scattered Light Intensity and Concentration in SEC-HPLC. <i>Biophysical Journal</i> , 2004, 87, 4048-4055.	0.5	59
26	Culture temperature modulates aggregation of recombinant antibody in cho cells. <i>Biotechnology and Bioengineering</i> , 2012, 109, 125-136.	3.3	57
27	Off-Pump Coronary Artery Bypass Reduces Early Stroke in Octogenarians: A Meta-Analysis of 18,000 Patients. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1568-1575.	1.3	57
28	Effect of polyols on polyethylene glycol (PEG)-induced precipitation of proteins: Impact on solubility, stability and conformation. <i>International Journal of Pharmaceutics</i> , 2009, 366, 38-43.	5.2	55
29	<i>Acorus calamus</i> (The Healing Plant): a review on its medicinal potential, micropropagation and conservation. <i>Natural Product Research</i> , 2014, 28, 1454-1466.	1.8	55
30	Prospective audit on the use of the LMA-Supreme <sup>®</sup> for airway management of adult patients undergoing elective orthopaedic surgery in prone position. <i>British Journal of Anaesthesia</i> , 2010, 105, 228-232.	3.4	53
31	Influence of particle size and dielectric environment on the dispersion behaviour and surface plasmon in nickel nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14096-14106.	2.8	53
32	Temperature- and pH-Induced Multiple Partially Unfolded States of Recombinant Human Interferon- $\alpha$ 2a: Possible Implications in Protein Stability. <i>Pharmaceutical Research</i> , 2003, 20, 1721-1729.	3.5	52
33	Prostaglandin E2 Promotes the Survival of Bone Marrow-Derived Dendritic Cells. <i>Journal of Immunology</i> , 2004, 173, 6955-6964.	0.8	52
34	Meta-Analysis of Staged Versus Combined Carotid Endarterectomy and Coronary Artery Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2014, 97, 102-109.	1.3	52
35	Hair Growth: Focus on Herbal Therapeutic Agent. <i>Current Drug Discovery Technologies</i> , 2015, 12, 21-42.	1.2	51
36	Steady-State Tryptophan Fluorescence Spectroscopy Study to Probe Tertiary Structure of Proteins in Solid Powders. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 890-899.	3.3	49

#	ARTICLE	IF	CITATIONS
37	Evaluation of the Anabolic, Aphrodisiac and Reproductive Activity of Anacyclus Pyrethrum DC in Male Rats. <i>Scientia Pharmaceutica</i> , 2009, 77, 97-110.	2.0	49
38	Cold denaturation of monoclonal antibodies. <i>MABs</i> , 2010, 2, 42-52.	5.2	46
39	Genetic structure and diversity of India hybrid tea. <i>Genetic Resources and Crop Evolution</i> , 2012, 59, 1527-1541.	1.6	46
40	Evaluation of a multimodal resin for selective capture of CHO-derived monoclonal antibodies directly from harvested cell culture fluid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 969, 256-263.	2.3	46
41	A catalyst-free new polyol method synthesized hot-pressed Cu-doped Bi <sub>2</sub> S <sub>3</sub> nanorods and their thermoelectric properties. <i>Nano Research</i> , 2016, 9, 3291-3304.	10.4	46
42	Electrochemical impedance immunosensor for the detection of cardiac biomarker Myoglobin (Mb) in aqueous solution. <i>Thin Solid Films</i> , 2010, 519, 1167-1170.	1.8	43
43	Induction of somatic embryogenesis and analysis of genetic fidelity of in vitro-derived plantlets of <i>Bambusa nutans</i> Wall., using AFLP markers. <i>European Journal of Forest Research</i> , 2011, 130, 729-736.	2.5	43
44	Immunomodulatory activity of petroleum ether extract of <i>Anacyclus pyrethrum</i> . <i>Pharmaceutical Biology</i> , 2010, 48, 1247-1254.	2.9	42
45	Rasayana properties of Ayurvedic herbs: Are polysaccharides a major contributor. <i>Carbohydrate Polymers</i> , 2012, 87, 3-15.	10.2	42
46	Expanding relevance of aortic valve repair—is earlier operation indicated?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 100-108.	0.8	42
47	Modulation of the thermodynamic stability of proteins by polyols: Significance of polyol hydrophobicity and impact on the chemical potential of water. <i>International Journal of Pharmaceutics</i> , 2011, 413, 19-28.	5.2	41
48	Genomic mapping and testing for quantitative trait loci in tea ( <i>Camellia sinensis</i> (L.) O. Kuntze). <i>Tree Genetics and Genomes</i> , 2010, 6, 915-929.	1.6	40
49	An amperometric uric acid biosensor based on Bis[sulfosuccinimidyl] suberate crosslinker/3-aminopropyltriethoxysilane surface modified ITO glass electrode. <i>Thin Solid Films</i> , 2010, 519, 1128-1134.	1.8	39
50	Hepatic and Renal Function with Successful Long-term Support on a Continuous Flow Left Ventricular Assist Device. <i>Heart Lung and Circulation</i> , 2014, 23, 229-233.	0.4	39
51	Identification and cross-species transferability of 112 novel unigenes-derived microsatellite markers in tea ( <i>Camellia sinensis</i> ). <i>American Journal of Botany</i> , 2011, 98, e133-8.	1.7	38
52	Androgenic and Spermatogenic Activity of Alkylamide-Rich Ethanol Solution Extract of <i>Anacyclus pyrethrum</i> DC. <i>Phytotherapy Research</i> , 2013, 27, 99-106.	5.8	38
53	Genetic diversity and structure of <i>Pyrus</i> accessions of Indian Himalayan region based on morphological and SSR markers. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	38
54	<i>Curculigo orchoides</i> : the black gold with numerous health benefits. <i>Zhong Xi Yi Jie He Xue Bao</i> , 2010, 8, 613-623.	0.7	38

#	ARTICLE	IF	CITATIONS
55	Second derivative tryptophan fluorescence spectroscopy as a tool to characterize partially unfolded intermediates of proteins. <i>International Journal of Pharmaceutics</i> , 2005, 294, 193-199.	5.2	37
56	Ant colony approach to constrained redundancy optimization in binary systems. <i>Applied Mathematical Modelling</i> , 2010, 34, 992-1003.	4.2	37
57	Ultrasound-assisted high-yield multicomponent synthesis of triazolo[1,2- <i>a</i> ]indazole-triones using silica-coated ZnO nanoparticles as a heterogeneous catalyst. <i>Green Chemistry</i> , 2017, 19, 5885-5899.	9.0	36
58	Identification and cross-species amplification of EST derived SSR markers in different bamboo species. <i>Conservation Genetics</i> , 2009, 10, 721-724.	1.5	35
59	An updated review on the parasitic herb of <i>Cuscuta reflexa</i> Roxb. <i>Zhong Xi Yi Jie He Xue Bao</i> , 2012, 10, 249-255.	0.7	35
60	Development of polymorphic EST-SSR markers and their applicability in genetic diversity evaluation in <i>Rhododendron arboreum</i> . <i>Molecular Biology Reports</i> , 2020, 47, 2447-2457.	2.3	32
61	Development of SSR and ILP markers in horsegram ( <i>Macrotyloma uniflorum</i> ), their characterization, cross-transferability and relevance for mapping. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	31
62	Polyethylene glycol-induced precipitation of interferon alpha-2a followed by vacuum drying: Development of a novel process for obtaining a dry, stable powder. <i>AAPS PharmSci</i> , 2004, 6, 31-44.	1.3	30
63	Interventions for pityriasis rosea. <i>The Cochrane Library</i> , 2007, , CD005068.	2.8	30
64	A High-Throughput Method for Detection of Protein Self-Association and Second Virial Coefficient Using Size-Exclusion Chromatography Through Simultaneous Measurement of Concentration and Scattered Light Intensity. <i>Pharmaceutical Research</i> , 2007, 24, 2071-2083.	3.5	30
65	A comparative study of ethanolic extracts of <i>Pedaliom murex</i> Linn. fruits and sildenafil citrate on sexual behaviors and serum testosterone level in male rats during and after treatment. <i>Journal of Ethnopharmacology</i> , 2012, 143, 201-206.	4.1	30
66	Label-free detection of cardiac troponin-I using gold nanoparticles functionalized single-walled carbon nanotubes based chemiresistive biosensor. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	30
67	Optimal Surgical Ablation of Atrial Tachyarrhythmias During Correction of Ebstein Anomaly. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1700-1705.	1.3	30
68	Development of genome-wide SSR markers in horsegram and their use for genetic diversity and cross-transferability analysis. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	30
69	Analysis of Genetic Diversity and Population Structure in Horsegram ( <i>Macrotyloma uniflorum</i> ) Using RAPD and ISSR Markers. <i>Agricultural Research</i> , 2015, 4, 221-230.	1.7	29
70	Effect of <i>Asteracantha longifolia</i> seeds on the sexual behaviour of male rats. <i>Natural Product Research</i> , 2011, 25, 1423-1431.	1.8	28
71	Total organic and inorganic carbon in soils under different land use/land cover systems in the foothill Himalayas. <i>Catena</i> , 2019, 182, 104104.	5.0	28
72	Calcipotriol versus coal tar: a prospective randomized study in stable plaque psoriasis. <i>International Journal of Dermatology</i> , 2003, 42, 834-838.	1.0	27

#	ARTICLE	IF	CITATIONS
73	Reliability evaluation and optimal design in heterogeneous multi-state series-parallel systems. <i>Information Sciences</i> , 2011, 181, 362-378.	6.9	27
74	Development of intron length polymorphic (ILP) markers in onion ( <i>Allium cepa</i> L.), and their cross-species transferability in garlic ( <i>A. sativum</i> L.) and wild relatives. <i>Genetic Resources and Crop Evolution</i> , 2019, 66, 1379-1388.	1.6	27
75	LC-MS N-alkylamide Profiling of an Ethanolic <i>Anacyclus pyrethrum</i> Root Extract. <i>Planta Medica</i> , 2012, 78, 1787-1795.	1.3	26
76	Size-Induced Structural Phase Transition at $\approx 6.0$ nm from Mixed fcc-hcp to Purely fcc Structure in Monodispersed Nickel Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28354-28362.	3.1	26
77	Highly sensitive bovine serum albumin biosensor based on liquid crystal. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	25
78	Advancement in Research on <i>Aconitum</i> sp. (Ranunculaceae) under Different Area: A Review. <i>Biotechnology</i> , 2010, 9, 411-427.	0.1	25
79	Double-Orifice Left Atrioventricular Valve in Patients With Atrioventricular Septal Defects: Surgical Strategies and Outcome. <i>Annals of Thoracic Surgery</i> , 2012, 93, 2017-2021.	1.3	24
80	Opposite Effects of Polyols on Antibody Aggregation: Thermal Versus Mechanical Stresses. <i>Pharmaceutical Research</i> , 2012, 29, 683-694.	3.5	24
81	Effect of vacuum drying on protein-mannitol interactions: The physical state of mannitol and protein structure in the dried state. <i>AAPS PharmSciTech</i> , 2004, 5, 58-69.	3.3	24
82	In situ precipitation and vacuum drying of interferon alpha-2a: Development of a single-step process for obtaining dry, stable protein formulation. <i>International Journal of Pharmaceutics</i> , 2009, 366, 88-98.	5.2	23
83	Influence of surfactant, particle size and dispersion medium on surface plasmon resonance of silver nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 145302.	1.8	23
84	Effect of <i>Curculigo orchoides</i> on hyperglycemia-induced oligospermia and sexual dysfunction in male rats. <i>International Journal of Impotence Research</i> , 2012, 24, 31-37.	1.8	22
85	Synthesis and electrochemical characterization of myoglobin-antibody protein immobilized self-assembled gold nanoparticles on ITO-glass plate. <i>Materials Chemistry and Physics</i> , 2012, 132, 22-28.	4.0	22
86	Discovery and Utilization of EST-SSR Marker Resource for Genetic Diversity and Population Structure Analyses of a Subtropical Bamboo, <i>Dendrocalamus hamiltonii</i> . <i>Biochemical Genetics</i> , 2019, 57, 652-672.	1.7	22
87	Triple light chain antibodies: Factors that influence its formation in cell culture. <i>Biotechnology and Bioengineering</i> , 2010, 105, 748-760.	3.3	21
88	A common feature-based 3D-pharmacophore model generation and virtual screening: identification of potential DHFR inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 635-645.	5.2	21
89	A polyphenolic compound rottlerin demonstrates significant in vitro cytotoxicity against human cancer cell lines: isolation and characterization from the fruits of <i>Mallotus philippinensis</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2011, 20, 190-195.	1.7	21
90	Isomerization of Asp Motif in Model Peptides and a Monoclonal Antibody Fab Fragment. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 947-959.	3.3	21

#	ARTICLE	IF	CITATIONS
91	Minimally Invasive Direct Coronary Artery Bypass Graft Surgery or Percutaneous Coronary Intervention for Proximal Left Anterior Descending Artery Stenosis: A Meta-Analysis. <i>Annals of Thoracic Surgery</i> , 2014, 97, 2056-2065.	1.3	21
92	Genetic Diversity and Structure of Pea ( <i>Pisum sativum</i> L.) Germplasm Based on Morphological and SSR Markers. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 118-129.	1.8	21
93	Comparison of transthoracic electrical bioimpedance cardiac output measurement with thermodilution method in post coronary artery bypass graft patients. <i>Annals of Cardiac Anaesthesia</i> , 2011, 14, 104.	0.6	20
94	<i>Pueraria tuberosa</i> DC Extract Improves Androgenesis and Sexual Behavior via FSH LH Cascade. <i>Scientific World Journal</i> , The, 2013, 2013, 1-8.	2.1	20
95	Specific Catalysis of Asparaginyl Deamidation by Carboxylic Acids: Kinetic, Thermodynamic, and Quantitative Structure-Property Relationship Analyses. <i>Molecular Pharmaceutics</i> , 2014, 11, 1345-1358.	4.6	20
96	A methodology to determine thermal conductivity of soils from flux measurement. <i>Geomechanics and Geoengineering</i> , 2016, 11, 73-85.	1.8	20
97	Role of benzyl alcohol in the prevention of heat-induced aggregation and inactivation of hen egg white lysozyme. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 367-376.	4.3	19
98	Development and Characterization of SSR Markers to Study Genetic Diversity and Population Structure of Horsegram Germplasm ( <i>Macrotyloma uniflorum</i> ). <i>Plant Molecular Biology Reporter</i> , 2017, 35, 550-561.	1.8	19
99	Genetic diversity and population structure of Rheum species in Kashmir Himalaya based on ISSR markers. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2016, 223, 121-128.	1.2	18
100	Influence of Accompanying Anions on Potassium Retention and Leaching in Potato Growing Alluvial Soils. <i>Pedosphere</i> , 2013, 23, 464-471.	4.0	17
101	Application of Second-Derivative Fluorescence Spectroscopy to Monitor Subtle Changes in a Monoclonal Antibody Structure. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 52-61.	3.3	17
102	Effects of petroleum ether extract of <i>Anacyclus pyrethrum</i> DC. on sexual behavior in male rats. <i>Zhong Xi Yi Jie He Xue Bao</i> , 2010, 8, 767-773.	0.7	17
103	Development and cross-transferability of functionally relevant microsatellite markers in <i>Dendrocalamus latiflorus</i> and related bamboo species. <i>Journal of Genetics</i> , 2015, 94, 48-55.	0.7	16
104	Construction of a framework linkage map and genetic dissection of drought- and yield-related QTLs in horsegram ( <i>Macrotyloma uniflorum</i> ). <i>Euphytica</i> , 2020, 216, 1.	1.2	16
105	Moisture-Induced Aggregation of Lyophilized DNA and its Prevention. <i>Pharmaceutical Research</i> , 2006, 24, 168-175.	3.5	15
106	Bovine serum albumin binding and drug delivery studies with PVA-ferrofluid. <i>Journal of Bionic Engineering</i> , 2010, 7, 29-34.	5.0	15
107	Genetic and phytochemical diversity analysis in <i>Bunium persicum</i> populations of north-western Himalaya. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 429-441.	3.1	15
108	Genetic diversity analysis using RAPD and ISSR markers revealed discrete genetic makeup in relation to fibre and oil content in <i>Linum usitatissimum</i> L. genotypes. <i>Nucleus (India)</i> , 2018, 61, 45-53.	2.2	15

#	ARTICLE	IF	CITATIONS
109	Minimal balanced repeated measurements designs. Journal of Applied Statistics, 2003, 30, 867-872.	1.3	14
110	A Method to Investigate Non-Thermal Effects of Radio Frequency Radiation on Pharmaceuticals with Relevance to RFID Technology. , 2006, 2006, 4340-3.		14
111	Characterization of antibody-polyol interactions by static light scattering: Implications for physical stability of protein formulations. International Journal of Pharmaceutics, 2013, 448, 382-389.	5.2	14
112	Solubilities and Transfer Free Energies of Hydrophobic Amino Acids in Polyol Solutions: Importance of the Hydrophobicity of Polyols. Journal of Pharmaceutical Sciences, 2011, 100, 3096-3104.	3.3	13
113	Tri-Component, Mobile Bearing, Total Ankle Replacement: Mid-term Functional Outcome and Survival. Journal of Foot and Ankle Surgery, 2012, 51, 566-569.	1.0	13
114	AFLP and RAPD based genetic diversity assessment of industrially important reed bamboo ( <i>Ochlandra</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387	1.7	13
115	In Search of the Ideal Pulmonary Blood Source for the Norwood Procedure: A Meta-Analysis and Systematic Review. Annals of Thoracic Surgery, 2014, 98, 142-150.	1.3	13
116	Biofunctionalized Gold Nanoparticle-Conducting Polymer Nanocomposite Based Bioelectrode for CRP Detection. Applied Biochemistry and Biotechnology, 2014, 174, 984-997.	2.9	13
117	High performance dendrimer functionalized single-walled carbon nanotubes field effect transistor biosensor for protein detection. Applied Physics Letters, 2016, 109, 243504.	3.3	13
118	Analysis of genetic diversity and structure in a genebank collection of red clover ( <i>Trifolium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 376-379.	0.8	13
119	Analysis of genetic structure and interrelationships in lentil species using morphological and SSR markers. 3 Biotech, 2017, 7, 83.	2.2	13
120	Influence of Al doping on the magnetoresistance and transport properties of LaBaMnAlO ( $\delta=0.15$ ) manganites. Journal of Magnetism and Magnetic Materials, 2019, 471, 153-163.	2.3	13
121	Influence of Pre-Sowing Treatments on in vitro Seed Germination of Ativisha ( <i>Aconitum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387	0.1	13
122	Optimal redundancy allocation in complex systems. Journal of Quality in Maintenance Engineering, 2010, 16, 413-424.	1.7	11
123	Fontan Conversion to One and One Half Ventricle Repair. Annals of Thoracic Surgery, 2012, 94, 1269-1274.	1.3	11
124	Intramedullary Nailing for Paediatric Diaphyseal Forearm Bone Fracture. Kathmandu University Medical Journal, 2012, 9, 198-202.	0.2	11
125	Repair of Acute Inferior Wall Myocardial Infarction-Related Basal Ventricular Septal Defect: Transatrial versus Transventricular Approach. Journal of Cardiac Surgery, 2013, 28, 475-480.	0.7	11
126	Percutaneous Ilio-Sacral Screw Fixation in Supine Position under Fluoroscopy Guidance. Kathmandu University Medical Journal, 2015, 13, 56-60.	0.2	11



#	ARTICLE	IF	CITATIONS
127	Enhancement of in vitro growth of <i>Swertia chirayita</i> Roxb. Ex Fleming co-cultured with plant growth promoting rhizobacteria. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 215-225.	2.3	11
128	Development of novel SSR markers for evaluation of genetic diversity and population structure in <i>Tribulus terrestris</i> L. ( <i>Zygophyllaceae</i> ). <i>3 Biotech</i> , 2016, 6, 156.	2.2	11
129	Differentiated services with multiple random early detection algorithm using ns2 simulator. , 2009, , .		10
130	Effect of ethanolic extract of <i>Paederia foetida</i> Linn. leaves on sexual behavior and spermatogenesis in male rats. <i>Journal of Men's Health</i> , 2012, 9, 268-276.	0.3	10
131	A study on the extracts of <i>Cuscuta reflexa</i> Roxb. in treatment of cyclophosphamide induced alopecia. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2014, 22, 7.	2.0	10
132	Assessment of Genetic Fidelity of in vitro Raised Plants in <i>Swertia chirayita</i> through ISSR, RAPD analysis and Peroxidase Profiling during Organogenesis. <i>Brazilian Archives of Biology and Technology</i> , 2016, 59, .	0.5	10
133	Studies on Photoresponse and LPG sensitivity of transparent Al doped ZnO thin films prepared by thermal evaporation technique. <i>Materials Research Bulletin</i> , 2017, 93, 130-137.	5.2	10
134	Tin-incorporated nanostructured copper indium oxide delafossite thin films: Structural, electrical and optical analysis. <i>Journal of Alloys and Compounds</i> , 2018, 746, 435-444.	5.5	10
135	Electrochemical Impedance Immunosensor for the Detection of C-Reactive Protein in Aqueous Solution. <i>Sensor Letters</i> , 2010, 8, 362-369.	0.4	10
136	Serotonin and 5-hydroxy indole acetic acid in infantile hydrocephalus. <i>Pediatric Surgery International</i> , 2007, 23, 571-574.	1.4	9
137	ANT COLONY OPTIMIZATION ALGORITHM FOR HETEROGENEOUS REDUNDANCY ALLOCATION IN MULTI-STATE SERIES-PARALLEL SYSTEMS. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2009, 16, 163-186.	0.6	9
138	Ant colony optimization approach to heterogeneous redundancy in multi-state systems with multi-state components. , 2009, , .		9
139	<i>Aconitum</i> : Need for sustainable exploitation (with special reference to Uttarakhand). <i>International Journal of Green Pharmacy</i> , 2010, 4, 220.	0.1	9
140	Quantity-Intensity Relationships of Potassium in Soils under Some Guava Orchards on Marginal Lands. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 1550-1562.	1.4	9
141	Molecular mapping of grain physico-chemical and cooking quality traits using recombinant inbred lines in rice ( <i>Oryza sativa</i> L.). <i>Journal of Plant Biochemistry and Biotechnology</i> , 2012, 21, 1-10.	1.7	9
142	Comparison of the early haemodynamics of stented pericardial and porcine aortic valves. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 4-10.	1.4	9
143	Ultrasound-assisted synthesis of 1, 8-dioxodecahydroacridine derivatives in presence of Ag doped CdS nanocatalyst. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1145-1158.	2.4	9
144	Scaphoid Fracture: Functional Outcome Following Fixation with Herbert Screw. <i>Kathmandu University Medical Journal</i> , 2012, 9, 267-273.	0.2	8

#	ARTICLE	IF	CITATIONS
145	Management of Zone of Apposition in Parachute Left Atrioventricular Valve in Atrioventricular Septal Defect. <i>Annals of Thoracic Surgery</i> , 2013, 95, 1665-1669.	1.3	8
146	Production of genetically uniform plants from shoot tips of <i>Aconitum heterophyllum</i> Wall. – a critically endangered medicinal herb. <i>Journal of Horticultural Science and Biotechnology</i> , 2016, 91, 529-535.	1.9	8
147	Calcium incorporated copper indium oxide thin films - a promising candidate for transparent electronic applications. <i>Thin Solid Films</i> , 2020, 693, 137673.	1.8	8
148	Polyphenolics Free DNA Isolation from Different Types of Tissues of <i>Aconitum heterophyllum</i> Wall.-endangered Medicinal Species. <i>Journal of Plant Sciences</i> , 2010, 5, 414-419.	0.2	8
149	Media Independent Handover (IEEE 802.21): Framework for Next Generation Vertical Handover Protocols. , 2011, , .		7
150	Characterization of novel polymorphic microsatellite markers in <i>Dactylorhiza hatagirea</i> : a critically endangered orchid species from western Himalayas. <i>Conservation Genetics Resources</i> , 2015, 7, 285-287.	0.8	7
151	Nitrogen Mineralization as Influenced by Different Organic Manures in an Inceptisol in the Foothill Himalayas. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 194-202.	1.4	7
152	Development of transcriptome-wide SSR markers for genetic diversity and structure analysis in <i>Macrotyloma uniflorum</i> (Lam.) Verdc.. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 2255-2266.	3.1	7
153	Auto-video Tracking System: Performance Evaluation. <i>Defence Science Journal</i> , 2008, 58, 565-572.	0.8	7
154	Sulphaphenazole, streptomycin and sulphaphenazole combination, trimethoprim, and erythromycin in the treatment of chancroid.. <i>Sexually Transmitted Infections</i> , 1990, 66, 105-107.	1.9	6
155	Operative Fixation of Displaced Middle Third Clavicle (Edinburg Type 2) Fracture with Superior Reconstruction Plate Osteosynthesis. <i>Kathmandu University Medical Journal</i> , 2012, 9, 286-290.	0.2	6
156	Determination of Thermal Regime in Sandy Soils: Mathematical Framework ATHERES. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	6
157	Al doping for bipolarity induction in transparent conducting CuInO <sub>2</sub> and its application in diode fabrication. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 255, 114520.	3.5	6
158	Plant-livestock-soil-hydrology interactions in the northeastern region of India. <i>Biologia (Poland)</i> , 2009, 64, 560-564.	1.5	5
159	Recent developments in MIMO channel estimation techniques. , 2012, , .		5
160	Acetabular Fracture: Retrospective Analysis of Thirty Three Consecutive Cases with Operative Management. <i>Kathmandu University Medical Journal</i> , 2015, 12, 279-287.	0.2	5
161	Development and characterization of novel microsatellite markers in <i>Trillium govanianum</i> : a threatened plant species from North-Western Himalaya. <i>3 Biotech</i> , 2017, 7, 190.	2.2	5
162	Electrical analogy for modelling thermal regime and moisture distribution in sandy soils. <i>Geomechanics and Geoengineering</i> , 2018, 13, 22-32.	1.8	5

#	ARTICLE	IF	CITATIONS
163	Development and characterization of SSR markers in Himalayan species <i>Betula utilis</i> . <i>Journal of Forestry Research</i> , 2020, 31, 1453-1460.	3.6	5
164	Dominant role of trioctylphosphine on the particle size and various properties of CoO nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 166000.	2.3	5
165	Impact of rare earth magnetic moment on ordering of Ru in Sr <sub>2</sub> RuREO <sub>6</sub> (RE=Gd and Eu). <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 312, 290-293.	2.3	4
166	Second-Order Response Surface Model with Neighbor Effects. <i>Communications in Statistics - Theory and Methods</i> , 2009, 38, 1393-1403.	1.0	4
167	Enhanced in vitro caulogenesis and quantitative estimation of aloin through HPLC in <i>Aloe vera</i> . <i>Israel Journal of Plant Sciences</i> , 2013, 61, 57-63.	0.5	4
168	Effects of Additives in Shoot Multiplication and Genetic Validation in <i>Swertia chirayita</i> Revealed through RAPD Analysis. <i>Plant Tissue Culture and Biotechnology</i> , 2013, 23, .	0.2	4
169	Cytomorphological variations and new reports of B-chromosomes in the genus <i>Plantago</i> (Plantaginaceae) from the Northwest Himalaya. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2017, 234, 69-76.	1.2	4
170	Editorial: Structured Nanosystems for Dermal Delivery of Therapeutics: Options, Opportunities and Clinical Implications. <i>Current Drug Metabolism</i> , 2017, 18, 402-403.	1.2	4
171	Genetic diversity and structure of <i>Betula utilis</i> accessions of North-western Himalaya based on RAPD and ISSR markers. <i>Nucleus (India)</i> , 2018, 61, 145-152.	2.2	4
172	A series of resolvable PBIB(3) designs with two replicates. <i>Metrika</i> , 2004, 60, 251-254.	0.8	3
173	Control, Alarm and Indicator Systems in Modern Electric Vehicles. , 2006, , .		3
174	Tetrahedral and cubical association schemes with related PBIB(3) designs. <i>Model Assisted Statistics and Applications</i> , 2010, 5, 93-99.	0.3	3
175	Identification and cross-species amplification of microsatellite markers derived from expressed sequence data of rose species. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2015, 24, 359-364.	1.7	3
176	Platinum nanoparticles-single-walled carbon nanotubes hybrid based chemiresistive sensor array for myoglobin detection. <i>Materials Research Express</i> , 2016, 3, 035006.	1.6	3
177	Thermoelectric properties of CuS/Ag <sub>2</sub> S nanocomposites synthesized by modified polyol method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
178	Precursor Mediated Enhanced Eugenol Production in <i>Ocimum sanctum</i> L. Through Tissue Culture Methodologies and Quantitative Estimation Through HPLC. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2016, 19, 241-246.	1.9	3
179	Synthesis and dispersion medium-dependent stability of cadmium sulfide nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
180	Robustness of Williams Square change-over designs. <i>Metrika</i> , 2002, 55, 199-208.	0.8	2

#	ARTICLE	IF	CITATIONS
181	Generalized incomplete Trojan-type designs. <i>Statistics and Probability Letters</i> , 2010, 80, 706-710.	0.7	2
182	Multiple Intrathoracic Hydatids. <i>Asian Cardiovascular and Thoracic Annals</i> , 2010, 18, 88-89.	0.5	2
183	Review: A Rare Medicinal Herb <i>Zizyphus xylopyrus</i> (Retz.) Willd. <i>Pharmacognosy Journal</i> , 2011, 3, 18-23.	0.8	2
184	Zeta-potential and particle size studies of silver sulphide nanoparticles. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2
185	Effect of additive on Zeta potential and particle size of nickel nanoparticles. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
186	Cytogenetic Studies of Genus <i>Clematis</i> L. (Ranunculaceae) from the Western Himalayas, India. <i>Cytologia</i> , 2017, 82, 355-361.	0.6	2
187	Thermoelectric properties of polyol synthesized copper telluride nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
188	Condylomata lata of the eyelids.. <i>Sexually Transmitted Infections</i> , 1989, 65, 124-125.	1.9	1
189	Robustness of complete diallel crossing plans against exchange of one cross. <i>Journal of Applied Statistics</i> , 2003, 30, 21-35.	1.3	1
190	Disconnection of the tip of the aortic cannula during cardiopulmonary bypass. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2008, 8, 250-251.	1.1	1
191	Universally optimal balanced changeover designs with first residuals. <i>Metrika</i> , 2013, 76, 339-346.	0.8	1
192	Thermoelectric properties of nanocrystalline lead telluride. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
193	Potassium Supplying Capacity of Some Citrus Orchard Soils in Foothill Himalayas through Quantity-Intensity Approach. <i>Journal of the Indian Society of Soil Science</i> , 2017, 65, 393.	0.2	1
194	Advance Computer Communication Systems in Hybrid Vehicles. , 2006, , .		0
195	Coronary to Pulmonary Collateral in Tetralogy of Fallot with Pulmonary Stenosis. <i>Annals of Thoracic Surgery</i> , 2009, 87, 1297.	1.3	0
196	Variance balanced circular designs involving sequences of treatments with first and second residuals. <i>Model Assisted Statistics and Applications</i> , 2011, 6, 317-324.	0.3	0
197	Posterolateral elbow dislocation with sub flexor displacement of radial head fragment. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2011, 21, 429-433.	1.4	0
198	Reply. <i>Annals of Thoracic Surgery</i> , 2013, 95, 1844.	1.3	0

#	ARTICLE	IF	CITATIONS
199	Synthesis, characterizations and catalytic activities of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	0
200	Preparation of n-type Copper Gallium Selenide thin films by tin doping and analysis of its structural, electrical, optical and transport properties. Materials Chemistry and Physics, 2018, 215, 56-61.	4.0	0
201	Characterization and Identification of F1 Hybrids in Eucalyptus by PCR Study using Random Primers. Biosciences, Biotechnology Research Asia, 2014, 11, 317-323.	0.5	0
202	Forms of Potassium in Mango, Citrus and Guava Orchard Soils under Rainfed Foothill Region of Jammu. Journal of the Indian Society of Soil Science, 2018, 66, 336.	0.2	0