

# Praveen Kumar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

368  
papers

7,187  
citations

38  
h-index

72  
g-index

418  
ext. papers

8,986  
ext. citations

4.3  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
368	Oral Application of Colostrum and Mother's Own Milk in Preterm Infants-A Randomized, Controlled Trial.. <i>Indian Journal of Pediatrics</i> , <b>2022</b> , 1	3	2
367	Three-hourly versus two-hourly feeding interval in stable preterm infants: an updated systematic review and meta-analysis of randomized controlled trials.. <i>European Journal of Pediatrics</i> , <b>2022</b> , 1	4.1	0
366	Characterizing Sustained Use of Cleaner Cooking Fuel in Rural Poor Households of South India. <i>Earth</i> , <b>2022</b> , 3, 313-323	1	0
365	Controllable Optical Vortex Array for Image Encoding. <i>IEEE Photonics Technology Letters</i> , <b>2022</b> , 34, 521-524	2.4	3
364	Advances in Biogeochemical Modeling for Intensively Managed Landscapes <b>2022</b> , 145-169		0
363	Rise and Fall of Therapeutic Hypothermia in Low-Resource Settings: Lessons from the HELIX Trial: Correspondence. <i>Indian Journal of Pediatrics</i> , <b>2021</b> , 1	3	
362	Phase response optimization of a liquid crystal spatial light modulator with partially coherent light.. <i>Applied Optics</i> , <b>2021</b> , 60, 10795-10801	1.7	0
361	Co-Creating a Sustainable New Normal For Social Work and Beyond: Embracing an Ecosocial Worldview. <i>Sustainability</i> , <b>2021</b> , 13, 10941	3.6	1
360	Integrative Analysis to Identify Genes Associated with Stemness and Immune Infiltration in Glioblastoma. <i>Cells</i> , <b>2021</b> , 10,	7.9	1
359	Arbitrary Vector Beam Encoding Using Single Modulation for Information Security Applications. <i>IEEE Photonics Technology Letters</i> , <b>2021</b> , 33, 243-246	2.2	4
358	Polarization-Encoded Fully-Phase Encryption Using Transport-of-Intensity Equation. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 969	2.6	1
357	Influence of FSW Process Parameters on Formability and Mechanical Properties of Tailor Welded Blanks AA6082-T6 and AA5083-O Using RSM with GRA-PCA Approach. <i>Transactions of the Indian Institute of Metals</i> , <b>2021</b> , 74, 1943-1968	1.2	1
356	Routine prefeed gastric aspiration in preterm infants: a systematic review and meta-analysis. <i>European Journal of Pediatrics</i> , <b>2021</b> , 180, 2367-2377	4.1	4
355	Association of personal network attributes with clean cooking adoption in rural South India. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 064087	6.2	0
354	A New Magnetic Structure of Unipolar Rectangular Coils in WPT Systems to Minimize the Ferrite Volume While Maintaining Maximum Coupling. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 2072-2076	3.5	2
353	Techno-commercial analysis of sustainable E-bus-based public transit systems: An Indian case study. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 144, 111033	16.2	4
352	. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3749-3758	4.3	5

351	A Fuzzy Logic and Artificial Neural Network-Based Intelligent Controller for a Vehicle-to-Grid System. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3301-3311	4.3	6
350	Role of Grain Boundary Sliding in Structural Integrity of Cu-Filled Through Si Via During Isothermal Annealing. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 767-778	1.9	2
349	Signatures of Hydrologic Function Across the Critical Zone Observatory Network. <i>Water Resources Research</i> , <b>2021</b> , 57, e2019WR026635	5.4	9
348	Creep Micromechanics in Meso-Length Scale Samples. <i>Acta Materialia</i> , <b>2021</b> , 205, 116535	8.4	2
347	Measurement of multi-frequency dispersions of Electromagnetically Induced Transparency windows using Spatial Light Modulator in rubidium vapor. <i>Optik</i> , <b>2021</b> , 225, 165707	2.5	1
346	Hydraulic redistribution buffers climate variability and regulates grass-tree interactions in a semiarid riparian savanna. <i>Ecohydrology</i> , <b>2021</b> , 14, e2271	2.5	0
345	Developing an Evaluation Model for Forecasting of Real Estate Prices. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 619-627	0.2	0
344	Digital Brain Building a Key to Improve Cognitive Functions by an EEG-Controlled Videogames as Interactive Learning Platform. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 241-252	0.4	
343	Qualitative and quantitative analysis of different inductance measurement techniques for IPM Synchronous Machines. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	
342	Core Loss Estimation for an Inverter-fed Induction Motor With More Accurate Realisation of Material Non-linearity and Impact of Hysteresis Minor Loops. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	1
341	Stability of Cu-islands formed on Si substrate via 'dewetting' under subsequent thermal cycling. <i>Nanotechnology</i> , <b>2021</b> , 32, 195703	3.4	1
340	Simple model for mean stress in turbulent boundary layers. <i>Physical Review Fluids</i> , <b>2021</b> , 6,	2.8	4
339	Array formation of optical vortices using in-line phase modulation. <i>Optics Communications</i> , <b>2021</b> , 493, 127020	2	4
338	A study on influence of eco-friendly technologies in hospitality industry. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1950, 012024	0.3	0
337	Introducing Water Electrolithography. <i>ACS Omega</i> , <b>2021</b> , 6, 25692-25701	3.9	0
336	Near-tip residual stress as an independent load interaction mechanism. <i>International Journal of Fatigue</i> , <b>2021</b> , 151, 106364	5	3
335	Formation of singular light fields using phase calibrated spatial light modulator. <i>Optics and Lasers in Engineering</i> , <b>2021</b> , 146, 106720	4.6	2
334	Validation of visual estimation of neonatal jaundice in low-income and middle-income countries: a multicentre observational cohort study.. <i>BMJ Open</i> , <b>2021</b> , 11, e048145	3	0

333	Underpinning the relevancy of the NIRF rankings in higher education management institutions in India. <i>Journal of Public Affairs</i> , <b>2020</b> , e2579	1.3	
332	Predicting the Water Requirement for Rice Production as Affected by Projected Climate Change in Bihar, India. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 3312	3	4
331	Role of Social Enterprises in Addressing Energy Poverty: Making the Case for Refined Understanding through Theory of Co-Production of Knowledge and Theory of Social Capital. <i>Sustainability</i> , <b>2020</b> , 12, 8533	3.6	2
330	New Insights into Dewetting of Cu Thin Films Deposited on Si. <i>Langmuir</i> , <b>2020</b> , 36, 5534-5545	4	2
329	FPGA implementation of an Islanding detection technique for microgrid using periodic maxima of superimposed voltage components. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1673-1683	2.5	5
328	Narrowing of electromagnetically induced transparency by using structured coupling light in 85Rb atomic vapor medium. <i>Laser Physics</i> , <b>2020</b> , 30, 065203	1.2	4
327	Microstructural equivalence between bending and uniaxial creep. <i>Scripta Materialia</i> , <b>2020</b> , 186, 99-103	5.6	5
326	A Unipolar Coil Arrangement Method for Improving the Coupling Coefficient Without Ferrite Material in Wireless Power Transfer Systems. <i>IEEE Transactions on Transportation Electrification</i> , <b>2020</b> , 6, 497-509	7.6	6
325	Deterministic Role of Carbon Nanotube-Substrate Coupling for Ultrahigh Actuation in Bilayer Electrothermal Actuators. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 29959-29970	9.5	4
324	Dissemination Challenges of Liquefied Petroleum Gas in Rural India: Perspectives from the Field. <i>Sustainability</i> , <b>2020</b> , 12, 2327	3.6	2
323	Affordability, Accessibility, and Awareness in the Adoption of Liquefied Petroleum Gas: A Case-Control Study in Rural India. <i>Sustainability</i> , <b>2020</b> , 12, 4790	3.6	5
322	Fast and sensitive flow-injection mass spectrometry metabolomics by analyzing sample-specific ion distributions. <i>Nature Communications</i> , <b>2020</b> , 11, 3186	17.4	22
321	Resistance Spot Welded Al 1100 Alloy with Carbonaceous Interlayers. <i>Materials Science Forum</i> , <b>2020</b> , 978, 3-11	0.4	2
320	Debates Does Information Theory Provide a New Paradigm for Earth Science? Causality, Interaction, and Feedback. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR024940	5.4	11
319	A technique for machining thin metallic foils using electromagnetic-mechanical pulsed loading. <i>Engineering Research Express</i> , <b>2020</b> , 2, 015031	0.9	1
318	Nano-Architected Composite Anode Enabling Long-Term Cycling Stability for High-Capacity Lithium-Ion Batteries. <i>Small</i> , <b>2020</b> , 16, e1906812	11	16
317	Stray Loss Model for Induction Motors With Using Equivalent Circuit Parameters. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1036-1045	5.4	5
316	A New Reference Flux Linkage Selection Technique for Efficiency Improvement of Direct Torque Controlled IM Drive. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 3751-3762	5.6	3

315	Fully-phase encryption using transport of intensity equation <b>2020</b> ,		3
314	Non-interferometric technique to realize vector beams embedded with polarization singularities. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2020</b> , 37, 1043-1052	1.8	12
313	Non-interferometric technique to realize vector beams embedded with polarization singularities: publisher's note. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2020</b> , 37, 1905	1.8	
312	A cutting mechanism map for machining metallic sheets using electric current pulses. <i>Engineering Research Express</i> , <b>2020</b> , 2, 025035	0.9	
311	Formation of polarization singularity lattice through dual-phase modulation. <i>Journal of Optics (United Kingdom)</i> , <b>2020</b> , 22, 115701	1.7	2
310	Self-referenced interference of laterally displaced vortex beams for topological charge determination. <i>Optics Communications</i> , <b>2020</b> , 459, 125000	2	13
309	Sustainability of soil organic carbon in consolidated gully land in China's Loess Plateau. <i>Scientific Reports</i> , <b>2020</b> , 10, 16927	4.9	4
308	Multi-scale quantification and modeling of aged nanostructured silicon-based composite anodes. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	8
307	Emerging Importance of Survivin in Stem Cells and Cancer: the Development of New Cancer Therapeutics. <i>Stem Cell Reviews and Reports</i> , <b>2020</b> , 16, 828-852	7.3	20
306	Customized High-Temperature Bending with DIC for High-Throughput Determination of Creep Parameters: Technique, Instrumentation, and Optimization. <i>Jom</i> , <b>2020</b> , 72, 4522-4538	2.1	2
305	Modeling the Role of Root Exudation in Critical Zone Nutrient Dynamics. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR026606	5.4	8
304	Discerning the thermodynamic feasibility of the spontaneous coexistence of multiple functional vegetation groups. <i>Scientific Reports</i> , <b>2020</b> , 10, 18321	4.9	0
303	A Subdomain Analytical Model of Coil System With Magnetic Shields of Finite Dimensions and Finite Permeability for Wireless Power Transfer Systems. <i>IEEE Transactions on Magnetics</i> , <b>2020</b> , 56, 1-11	2	3
302	A Scalable Silicon Nanowires-Grown-On-Graphite Composite for High-Energy Lithium Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 12006-12015	16.7	27
301	Speed Estimation Technique Using Modified Stator Current Error-Based MRAS for Direct Torque Controlled Induction Motor Drives. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 1223-1235	5.6	9
300	Effect of Thermomigration/Electromigration Coupling on Mass Transport in Cu Thin Films. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 96-108	1.9	1
299	Mechanical Reliability of Photovoltaic Cells under Cyclic Thermal Loading. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 59-71	1.9	1
298	Effect of High-Pressure Torsion on Hardness and Electrical Resistivity of Commercially Pure Cu. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1900547	3.5	4

297	Effect of Relative Slot-Opening Shift on Cogging Torque and Performance of an Axial Flux Permanent Magnet Machine. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2019</b> , 100, 117-122	0.9	1
296	Application of bending creep for examining effect of service conditions on creep response of steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2019</b> , 766, 138398	5.3	2
295	Strategic Allocation and Energy Management of BESS for the Provision of Ancillary Services in Active Distribution Networks. <i>Energy Procedia</i> , <b>2019</b> , 158, 2972-2978	2.3	2
294	Optimal Planning of Hybrid Energy Conversion Systems for Annual Energy Cost Minimization in Indian Residential Buildings. <i>Energy Procedia</i> , <b>2019</b> , 158, 2979-2985	2.3	7
293	Multiscale Multiphase Lithiation and Delithiation Mechanisms in a Composite Electrode Unraveled by Simultaneous Small-Angle and Wide-Angle X-Ray Scattering. <i>ACS Nano</i> , <b>2019</b> , 13, 11538-11551	16.7	19
292	FPGA Based Design and HIL Verification of a Soft-Core Directional-OCR. <i>Electric Power Components and Systems</i> , <b>2019</b> , 47, 1423-1436	1	1
291	Isotope shifts and band progressions in SO <sub>2</sub> rovibrational energy levels: using quantum theory to extract rotational constants. <i>Molecular Physics</i> , <b>2019</b> , 117, 2456-2469	1.7	3
290	Multiple interactions between tree composition and diversity and microbial diversity underly litter decomposition. <i>Geoderma</i> , <b>2019</b> , 341, 161-171	6.7	24
289	Failure of thin metallic conductors under electric current loading: Transition from sharp crack to blow-hole. <i>Engineering Fracture Mechanics</i> , <b>2019</b> , 208, 221-237	4.2	3
288	Effect of graphene interlayer on resistance spot welded AISI-1008 steel joints. <i>Materials Research Express</i> , <b>2019</b> , 6, 0865c3	1.7	12
287	How does capital market respond to Certified Emission Reductions (CERs) announcements in India. <i>Managerial Finance</i> , <b>2019</b> , 45, 950-965	0.9	2
286	Analytical Techniques for the Identification and Quantification of Flavonoids <b>2019</b> , 9-22		
285	Impacts of Subsurface Tile Drainage on Age-Dependent Concentration Dynamics of Inorganic Nitrogen in Soil. <i>Water Resources Research</i> , <b>2019</b> , 55, 1470-1489	5.4	12
284	Three-Dimensional Modeling of the Coevolution of Landscape and Soil Organic Carbon. <i>Water Resources Research</i> , <b>2019</b> , 55, 1218-1241	5.4	9
283	Predicting the direct and indirect impacts of climate change on malaria in coastal Kenya. <i>PLoS ONE</i> , <b>2019</b> , 14, e0211258	3.7	16
282	Accurate characterization of the lowest triplet potential energy surface of SO with a coupled cluster method. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 144303	3.9	1
281	Image encryption using phase-encoded exclusive-OR operations with incoherent illumination. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 065701	1.7	9
280	Creep of Cu-Bi Alloys with High Bi Content Near and Above Melting Temperature of Bi. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2019</b> , 50, 2690-2701 <sup>2,3</sup>		

279	Creep of Metallic Materials in Bending. <i>Jom</i> , <b>2019</b> , 71, 3565-3583	2.1	7
278	Tuning sample length effect on mass transport in current carrying Cu-Si thin-film systems via interfacial engineering. <i>Nanotechnology</i> , <b>2019</b> , 30, 485704	3.4	1
277	Characterizing relative degrees of clumping structure in vegetation canopy using waveform LiDAR. <i>Remote Sensing of Environment</i> , <b>2019</b> , 232, 111281	13.2	4
276	Strategic integration of battery energy storage systems with the provision of distributed ancillary services in active distribution systems. <i>Applied Energy</i> , <b>2019</b> , 253, 113503	10.7	51
275	Advanced Nanopatterning Using Scanning Probe Technology. <i>Materials Today: Proceedings</i> , <b>2019</b> , 18, 740-743	1.4	1
274	The J-dependent rotational Hamiltonian method for analyzing rovibrational spectra: Application to HO <sub>2</sub> , H <sub>2</sub> O, and O <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2019</b> , 733, 136700	2.5	3
273	Enhanced exclusive-OR and quick response code-based image encryption through incoherent illumination. <i>Applied Optics</i> , <b>2019</b> , 58, 1408-1412	1.7	11
272	Self-referenced spiral interferogram using modified lateral shearing Mach-Zehnder interferometer. <i>Applied Optics</i> , <b>2019</b> , 58, 6827-6833	1.7	7
271	Modified Mach-Zehnder interferometer for determining the high-order topological charge of Laguerre-Gaussian vortex beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2019</b> , 36, 1447-1455	1.8	25
270	What Drives the Voluntary Environmental Reporting (VER): An Examination of CDP India Firms. <i>Journal of Environmental Accounting and Management</i> , <b>2019</b> , 7, 47-59	2	4
269	Effect of HPT processing followed by long term natural ageing on mechanical and electrical properties of commercially pure Cu. <i>Letters on Materials</i> , <b>2019</b> , 9, 561-565	0.9	0
268	Transport of probe particles in a polymer network: effects of probe size, network rigidity and probe-polymer interaction. <i>Soft Matter</i> , <b>2019</b> , 15, 8992-9002	3.6	21
267	Using Information Flow for Whole System Understanding From Component Dynamics. <i>Water Resources Research</i> , <b>2019</b> , 55, 8305-8329	5.4	4
266	Smart public transportation network expansion and its interaction with the grid. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2019</b> , 105, 365-380	5.1	11
265	Impact of Sampling in the Operation of Vehicle to Grid and Its Mitigation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3923-3933	11.9	14
264	A Framework for Global Characterization of Soil Properties Using Repeat Hyperspectral Satellite Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2019</b> , 57, 3308-3323	8.1	2
263	Integrated assessment of a sustainable microgrid for a remote village in hilly region. <i>Energy Conversion and Management</i> , <b>2019</b> , 180, 442-472	10.6	61
262	Design and verification of hardcore reconfigurable relay for islanding detection and subsequent mode adaptation of microgrid. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2807	2.2	6

261	Species mixture increases production partitioning to belowground in a natural boreal forest. <i>Forest Ecology and Management</i> , <b>2019</b> , 432, 667-674	3.9	13
260	Interactions of information transfer along separable causal paths. <i>Physical Review E</i> , <b>2018</b> , 97, 042310	2.4	4
259	Critical transition in critical zone of intensively managed landscapes. <i>Anthropocene</i> , <b>2018</b> , 22, 10-19	3.9	49
258	Effect of Substrate Composition on Whisker Growth in Sn Coatings. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 4177-4189	1.9	7
257	Phase-field modeling of grain-boundary grooving and migration under electric current and thermal gradient. <i>Acta Materialia</i> , <b>2018</b> , 153, 377-390	8.4	12
256	Design, Prototyping, and Testing of a Dual-Rotor Motor for Electric Vehicle Application. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 7185-7192	8.9	19
255	High-efficiency, single-crystalline, p- and n-type Si solar cells: Microstructure and chemical analysis of the glass layer. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 178, 52-64	6.4	7
254	Optimal number of e-buses in the solar-assisted smart public transit system and its failure analysis. <i>IET Electrical Systems in Transportation</i> , <b>2018</b> , 8, 61-70	2.1	2
253	Growth of Interfacial Intermetallic Compound Layer in Diffusion-Bonded SACu Solder Joints During Different Types of Thermomechanical Excursion. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 457-469	1.9	4
252	PbSe mid-IR photoconductive thin films (part-II): Structural analysis of the functional layer. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 1654-1661	5.7	13
251	A Novel Methodological Framework for the Design of Sustainable Rural Microgrid for Developing Nations. <i>IEEE Access</i> , <b>2018</b> , 6, 24925-24951	3.5	53
250	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5	1.8	3
249	Epiclytic vegetation abundance, diversity, and composition vary with coarse woody debris decay class and substrate species in boreal forest. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 399-411	1.9	11
248	Linking resource availability and heterogeneity to understory species diversity through succession in boreal forest of Canada. <i>Journal of Ecology</i> , <b>2018</b> , 106, 1266-1276	6	48
247	Prototyping and hardware-in-loop verification of OCR. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 2837-2845	2.5	5
246	Stochastic lattice-based modelling of malaria dynamics. <i>Malaria Journal</i> , <b>2018</b> , 17, 250	3.6	5
245	Impacts of Quaternary History on Critical Zone Structure and Processes: Examples and a Conceptual Model From the Intensively Managed Landscapes Critical Zone Observatory. <i>Frontiers in Earth Science</i> , <b>2018</b> , 6,	3.5	8
244	Wetlandscape Fractal Topography. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 6983-6991	4.9	12



243	Impact of Hydraulic Redistribution on Multispecies Vegetation Water Use in a Semiarid Savanna Ecosystem: An Experimental and Modeling Synthesis. <i>Water Resources Research</i> , <b>2018</b> , 54, 4009-4027	5.4	13
242	. <i>IEEE Access</i> , <b>2018</b> , 6, 37533-37555	3.5	18
241	Large-eddy simulation of flow over an axisymmetric body of revolution. <i>Journal of Fluid Mechanics</i> , <b>2018</b> , 853, 537-563	3.7	15
240	Dynamic process connectivity explains ecohydrologic responses to rainfall pulses and drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E8604-E8613	11.5	21
239	A Numerical Water Tracer Model for Understanding Event-Scale Hydrometeorological Phenomena. <i>Journal of Hydrometeorology</i> , <b>2018</b> , 19, 947-967	3.7	6
238	Dynamics of understorey biomass, production and turnover associated with long-term overstorey succession in boreal forest of Canada. <i>Forest Ecology and Management</i> , <b>2018</b> , 427, 152-161	3.9	16
237	Critical Evaluation of Relative Importance of Stress and Stress Gradient in Whisker Growth in Sn Coatings. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 5229-5242	1.9	9
236	Examination of propeller sound production using large eddy simulation. <i>Physical Review Fluids</i> , <b>2018</b> , 3,	2.8	10
235	Impact of Climate Change Disclosure on Financial Performance: An Analysis of Indian Firms. <i>Journal of Environmental Accounting and Management</i> , <b>2018</b> , 6, 185-197	2	3
234	ANALYTICAL METHOD FOR CALCULATION OF COGGING TORQUE REDUCTION DUE TO SLOT SHIFTING IN A DUAL STATOR DUAL ROTOR PERMANENT MAGNET MACHINE WITH SEMI-CLOSED SLOTS. <i>Progress in Electromagnetics Research M</i> , <b>2018</b> , 70, 99-108	0.6	
233	Carbon Storage Declines in Old Boreal Forests Irrespective of Succession Pathway. <i>Ecosystems</i> , <b>2018</b> , 21, 1168-1182	3.9	15
232	Contactless power transfer system for sealed lead acid battery charging. <i>Wireless Power Transfer</i> , <b>2018</b> , 5, 20-26	0.9	3
231	Solid-state diffusion-controlled growth of the phases in the AuSn system. <i>Philosophical Magazine</i> , <b>2018</b> , 98, 20-36	1.6	14
230	Electric Conversion of a Polluting Gasoline Vehicle into an Electric Vehicle and its Performance and Drive Cycle Analysis <b>2018</b> ,		1
229	Modelling of Stray-Load Loss for Medium Power Induction Motors <b>2018</b> ,		2
228	Inverse Blech Length Phenomenon in Thin-Film Stripes. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	3
227	Impact of carbon emissions on cost of debt-evidence from India. <i>Managerial Finance</i> , <b>2018</b> , 44, 1401-1417	7.9	10
226	Rate of Change of Frequency Deviation Based Unintentional Islanding Detection for Microgrids <b>2018</b> ,		4

225	Tuning electromigration-thermomigration coupling in Cu/W Blech structures. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 185102	2.5	4
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116	Analysis of sustainable public transportation system and its interaction with the grid <b>2015</b> ,		3
115	<b>2015</b> ,		4
114	Towards Sustainable Curation and Preservation: The SEAD Project's Data Services Approach <b>2015</b> ,		15
113	Simulation of direct torque control of induction motor using Simulink, simplorer and maxwell software <b>2015</b> ,		5
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