

Muhammad Imran Malik

Associate Professor
School of Electrical Engineering and Computer Science
Email: malik.imran@seecs.edu.pk
Contact: 333522518
LinkedIn:



About

Dr. Muhammad Imran Malik is working as Associate Professor in the School of Electrical Engineering and Computer Science. Dr. Muhammad Imran Malik has a PhD in Machine Learning For Forensic Document Analysis. Dr. Muhammad Imran Malik has published 50 research articles & conference papers having a citation count of 1198, carried out 9 projects and filed 0 intellectual property.

Qualifications

PhD in Machine Learning For Forensic Document Analysis Universität Kaiserslautern , Germany	2011 - 2015
MPhil in (Artificial Intelligence) Universität Kaiserslautern , Germany	2008 - 2011
BS in (Computer Sciences) Allama Iqbal Open University , Pakistan	2000 - 2004

Experience

Associate Professor School of Electrical Engineering and Computer Science	2021- Present
Assistant Professor School of Electrical Engineering and Computer Science	2019 - 2021
Assistant Professor School of Electrical Engineering and Computer Science	2016 - 2019
Assistant Professor School of Electrical Engineering and Computer Science	2015 - 2016

Awards

Best Student Paper Award Best Student Paper Award by Association of Forensic Document Examiners, USA.	2013
HEC-DAAD PhD scholarship HEC-DAAD Ph.D. scholarship at TU Kaiserslautern, Germany.	2011
HEC-DAAD MS scholarship HEC-DAAD MS scholarship at TU Kaiserslautern, Germany.	

Research Projects

National Projects

Ba-Ikhtiyar Jawan: Upscaling & Digitisation of Vocational Education Curriculum in Pakistan Funding Agency: DAAD - German Academic Exchange Service Amount: PKR 59,589,000.00 Status: Approved_inprocess	2025
SLUM-i: A Remote Sensing Based Intelligent Framework for Detection and Predictive Growth Analysis of Slums for Sustainable Socio-Economic Development of Pakistan Funding Agency: DAAD Amount: PKR 14,423,146.00 Status: Approved_inprocess	2023
AI-FORCAST: AI-based Forest Carbon Stock Assessment for Climate Change Mitigation Funding Agency: DAAD German Academic Exchange Service Amount: PKR 12,106,119.00 Status: Approved_inprocess	2023
Water Resource Estimation by Satellite-Based Image Analysis (WASABI) – Extension. Funding Agency: DAAD Amount: PKR 4,491,635.00 Status: Completed	2023
WAter Resource Estimation by Satellite Based Image Analysis (WASABI) Funding Agency: DAAD Amount: PKR 12,000,000.00 Status: Completed	2018
Crop Monitoring via Remote Sensing from Earth Observation Satellites to UAVs Funding Agency: DAAD Amount: PKR 12,352,440.00 Status: Approved_inprocess	2018
Internet of Things (IoT) enabled surface water pollution detection for predictive healthcare Funding Agency: DAAD Amount: PKR 13,388,860.00 Status: Completed	2019
Forest Monitoring and changed detection using remote sensing data Funding Agency: DAAD Amount: PKR 10,000,000.00 Status: Completed	2018
Fish Bio Diversity Estimation by Low-Cost Non-Destructive Video Based Sampling (FIBEVID) Funding Agency: DAAD Amount: PKR 10,000,000.00 Status: Completed	2016

International Projects

Research Articles

KRNN: A hybrid data and knowledge oriented time series forecasting approach for health care applications <i>Muhammad Ali Chattha Muhammad Imran Malik Andreas Dengel Sheraz Ahmed</i> <i>Expert Systems with Applications</i> , Volume:268, Article Number 126148 Impact Factor: 7.500 Quartile: 1 DOI: https://doi.org/10.1016/j.eswa.2024.126148	2025
Addressing data dependency in neural networks: introducing the Knowledge Enhanced Neural Network (KENN) for time series forecasting + <i>Muhammad Ali Chattha Muhammad Imran Malik Andreas Dengel Sheraz Ahmed</i> <i>Machine Learning</i> , Volume 114, Issue 2, Article Number 30 Impact Factor: 4.300 Quartile: 1 DOI: https://doi.org/10.1007/s10994-024-06714-9	2025

Vision Based 3D Localization of UAV Using Deep Image Matching Mansoor Khurshid Muhammad Shahzad Hasan Ali Khattak Muhammad Imran Malik Muhammad Moazam Fraz <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , Volume: 17, Pages: 12020-12030 Impact Factor: 4.700 Quartile: 1 Citations: 3 DOI: 10.1109/JSTARS.2024.3422310	2024
Endmember Analysis of Overlapping Handwritten Text in Hyperspectral Document Images Hassan Irtiza Mirza Saad Bin Ahmed Roberto Solis Oba Muhammad Imran Malik <i>IEEE Access</i> , Volume 12, Pages 13010-13019 Impact Factor: 3.400 Quartile: 2 Citations: 2 DOI: 10.1109/ACCESS.2024.3349951	2024
ADH-PPI: An Attention based Deep Hybrid Model for Protein Protein Interaction Prediction Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Andreas Dengel Sheraz Ahmed <i>iScience</i> , Volume 25, Issue 10, Article Number 105169 Impact Factor: 6.107 Quartile: 1 Citations: 23 DOI: https://doi.org/10.1016/j.isci.2022.105169	2022
EL-RMLocNet: An explainable LSTM network for RNA-associated multi-compartment localization prediction Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Christoph Zehe Olivier Cloarec Johan Trygg Andreas Dengel Sheraz Ahmed <i>Computational and Structural Biotechnology Journal</i> , Volume 20, Pages 3986-4002 Impact Factor: 6.155 Quartile: 1 Citations: 19 DOI: https://doi.org/10.1016/j.csbj.2022.07.031	2022
Circ-LocNet: A Computational Framework for Circular RNA Sub-Cellular Localization Prediction Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Andreas Dengel Sheraz Ahmed <i>International Journal of Molecular Sciences</i> , Volume 23, Issue 15, Article Number 8221 Impact Factor: 6.208 Quartile: 1 Citations: 8 DOI: https://doi.org/10.3390/ijms23158221	2022
LGCA-VHPPI: A local-global residue context aware viral-host protein-protein interaction predictor Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Andreas Dengel Sheraz Ahmed <i>PLOS ONE</i> , Volume 17, Issue 7, Article Number e0270275 Impact Factor: 3.752 Quartile: 2 Citations: 9 DOI: https://doi.org/10.1371/journal.pone.0270275	2022
Histone-Net: a multi-paradigm computational framework for histone occupancy and modification prediction Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Imran Razzak Andreas Dengel Sheraz Ahmed <i>Complex & Intelligent Systems</i> , Pages 1-21 Impact Factor: 6.700 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1007/s40747-022-00802-w	2022
ExAID: A multimodal explanation framework for computer-aided diagnosis of skin lesions Adriano Lucieri Muhammad Naseer Bajwa Stephan Alexander Braun Muhammad Imran Malik Andreas Dengel Sheraz Ahmed <i>Computer Methods and Programs in Biomedicine</i> , Volume 215, Article Number 106620 Impact Factor: 6.100 Quartile: 1 Citations: 57 DOI: https://doi.org/10.1016/j.cmpb.2022.106620	2022
Bacterial Prediction using Internet of Things (IoT) and Machine Learning Hamza Khurshid Rafia Mumtaz Noor Alvi Ayesha Haque Sadaf Mumtaz Faisal Shafait Sheraz Ahmad Muhammad Imran Malik Andreas Dengel <i>Environmental Monitoring and Assessment</i> , Volume 194, Article Number 133 Impact Factor: 2.513 Quartile: 3 Citations: 17 DOI: https://doi.org/10.1007/s10661-021-09698-4	2022
UCL: Unsupervised Curriculum Learning for water body classification from remote sensing imagery Nosheen Abid Muhammad Shahzad Muhammad Imran Malik Ulrich Schwanecke Adrian Ulges György Kovács Faisal Shafait <i>International Journal of Applied Earth Observation and Geoinformation</i> , Volume 105, Article Number 102568 Impact Factor: 7.672 Quartile: 1 Citations: 33 DOI: https://doi.org/10.1016/j.jag.2021.102568	2021
Multi-view gait recognition system using spatio-temporal features and deep learning Saba Gul Muhammad Imran Malik Gul Muhammad Khan Faisal Shafait <i>Expert Systems with Applications</i> , Volume 179, Article Number 115057	2021

Impact Factor: 8.665 Quartile: 1 Citations: 38 DOI: https://doi.org/10.1016/j.eswa.2021.115057	
Learning the micro deformations by max- pooling for offline signature verification <i>Yuchen Zheng Brian Kenji Iwana Muhammad Imran Malik Sheraz Ahmed Wataru Ohyama Seiichi Uchida</i> <i>Pattern Recognition</i> , Volume 118, Article Number 108008 Impact Factor: 8.518 Quartile: 1 Citations: 33 DOI: https://doi.org/10.1016/j.patcog.2021.108008	2021
Advances in Computational Methodologies for Classification and Sub-Cellular Locality Prediction of Non-Coding RNAs <i>Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Andreas Dengel Sheraz Ahmed</i> <i>International Journal of Molecular Sciences</i> , Volume 22(16), Article Number 8719 Impact Factor: 5.924 Quartile: 1 Citations: 21 DOI: 10.3390/ijms22168719	2021
Sense the pen: Classification of online handwritten sequences (text, mathematical expression, plot/graph) <i>Junaid Younas Muhammad Imran Malik Sheraz Ahmed Faisal Shafait Paul Lukowicz</i> <i>Expert Systems with Applications</i> , Volume 172, Article Number 114588 Impact Factor: 8.665 Quartile: 1 Citations: 6 DOI: https://doi.org/10.1016/j.eswa.2021.114588	2021
AI-ForestWatch: semantic segmentation based end-to-end framework for forest estimation and change detection using multi-spectral remote sensing imagery <i>Annus Zulfiqar Muhammad M. Ghaffar Muhammad Shahzad Christian Weis Muhammad Imran Malik Faisal Shafait Norbert Wehn</i> <i>Journal of Applied Remote Sensing</i> , Volume 15(2), Article Number 024518 Impact Factor: 1.568 Quartile: 4 Citations: 25 DOI: https://doi.org/10.1117/1.JRS.15.024518	2021
A Robust and Precise ConvNet for small non-coding RNA classification (RPC-snRC) <i>Muhammad Nabeel Asim Muhammad Imran Malik Christoph Zehe Johan Trygg Andreas Dengel Sheraz Ahmed</i> <i>IEEE Access</i> , Volume 9, Pages 19379-19390 Impact Factor: 3.476 Quartile: 2 Citations: 12 DOI: https://doi.org/10.1109/ACCESS.2020.3037642	2021
MirLocPredictor: A ConvNet-Based Multi-Label MicroRNA Subcellular Localization Predictor by Incorporating k-Mer Positional Information <i>Muhammad Nabeel Asim Muhammad Imran Malik Christoph Zehe Johan Trygg Andreas Dengel Sheraz Ahmed</i> <i>Genes</i> , Volume 11(12), Article Number 1475 Impact Factor: 4.096 Quartile: 2 Citations: 22 DOI: https://doi.org/10.3390/genes11121475	2020
Fi-fo detector: Figure and formula detection using deformable networks <i>Junaid Younas Shoaib Ahmed Siddiqui Mohsin Munir Muhammad Imran Malik Faisal Shafait Paul Lukowicz Sheraz Ahmed</i> <i>Applied Sciences</i> , Volume 10(18), Article Number 6460 Impact Factor: 2.679 Quartile: 2 Citations: 16 DOI: 10.3390/app10186460	2020
Confident Classification Using a Hybrid Between Deterministic and Probabilistic Convolutional Neural Networks <i>Muhammad Naseer Bajwa Suleman Khurram Mohsin Munir Shoaib Ahmed Siddiqui Muhammad Imran Malik Andreas Dengel Sheraz Ahmed</i> <i>IEEE Access</i> , Volume: 8, Pages 115476-115485 Impact Factor: 3.367 Quartile: 2 Citations: 6 DOI: 10.1109/ACCESS.2020.3004409	2020
Computer-aided diagnosis of skin diseases using deep neural networks <i>Muhammad Naseer Bajwa Kaoru Muta Muhammad Imran Malik Shoaib Ahmed Siddiqui Stephan Alexander Braun Bernhard Homey Andreas Dengel Sheraz Ahmed</i> <i>Applied Sciences</i> , Volume 10(7), Article Number 2488 Impact Factor: 2.679 Quartile: 2 Citations: 121 DOI: https://doi.org/10.3390/app10072488	2020
Two-stage framework for optic disc localization and glaucoma classification in retinal fundus images using deep learning <i>Muhammad Naseer Bajwa Muhammad Imran Malik Shoaib Ahmed Siddiqui Andreas Dengel Faisal Shafait Wolfgang Neumeier sheraz Ahmed</i>	2019

Impact Factor: 2.317 | Quartile: 3 | Citations: 165

DOI: 10.1186/s12911-019-0842-8

A Perspective Analysis of Handwritten Signature Technology

2019

Moises Diaz Miguel A. Ferrer Donato Impedovo Muhammad Imran Malik University of Bari, Bari, Italy Réjean Plamondon

ACM Computing Surveys (CSUR) , Volume 51 Issue 6, Article No. 117

Impact Factor: 7.99 | Quartile: 1 | Citations: 191

DOI: 10.1145/3274658

DeCNT: Deep Deformable CNN for Table Detection

2018

Shoaib Ahmed Siddiqui Muhammad Imran Malik Stefan Agne Andreas Dengel Sheraz Ahmed

IEEE Access , Volume 6, Pages 74151-74161

Impact Factor: 4.098 | Quartile: 1 | Citations: 114

DOI: 10.1109/ACCESS.2018.2880211

3DAirSig: A Framework for Enabling In-Air Signatures Using a Multi-Modal Depth Sensor

2018

Faisal Shafait Muhammad Jameel Nawaz Malik Ahmed Elhayek Sheraz Ahmed Muhammad Imran Malik Didier Stricker

Sensors , Volume: 18, Issue: 11, Article Number: 3872

Impact Factor: 3.031 | Quartile: 1 | Citations: 27

DOI: 10.3390/s18113872

Automatic fish species classification in underwater videos: Exploiting pre-trained deep neural network models to compensate for limited labelled data

2018

Shoaib Ahmed Siddiqui Ahmad Salman Muhammad Imran Malik Faisal Shafait Ajmal Mian Mark Shorits Euan Harvey

ICES Journal of Marine Science , NULL

Impact Factor: 3.367 | Quartile: 1 | Citations: 208

DOI: 10.1093/icesjms/fsx109

Conference Proceedings

Knowledge Forcing: Fusing Knowledge-Driven Approaches with LSTM for Time Series Forecasting

2023

Muhammad Ali Chattha Muhammad Imran Malik Andreas Dengel Sheraz Ahmed

32nd International Conference on Artificial Neural Networks, ICANN 2023, res.country(88,)

Citations: N/A

DOI: 10.1007/978-3-031-44223-0_17

Adversarial Attacks on Convolutional Siamese Signature Verification Networks

2023

MAHAM JAHANGIR Muhammad Imran Malik Faisal Shafait

17th International Conference on Document Analysis and Recognition, ICDAR 2023, res.country(233,)

Citations: N/A

DOI: 10.1007/978-3-031-41685-9_22

Burnt Forest Estimation from Sentinel-2 Imagery of Australia using Unsupervised Deep Learning

2021

Nosheen Abid Muhammad Imran Malik Muhammad Shahzad Faisal Shafait Haider Ali Muhammad Mohsin Ghaffar Christian Weis Norbert Wehn Marcus

Liwicki

2021 Digital Image Computing: Techniques and Applications (DICTA), res.country(13,)

Citations: N/A

DOI: 10.1109/DICTA52665.2021.9647174

ChrSLoc-Net: Machine Learning-Based Prediction of Channelrhodopsins Proteins within Plasma Membrane

2021

Muhammad Nabeel Asim Muhammad Ali Ibrahim Muhammad Imran Malik Andreas Dengel Sheraz Ahmed

IEEE EMBS International Conference on Biomedical and Health Informatics (BHI) , res.country(88,)

Citations: N/A

DOI: 10.1109/bhi50953.2021.9508615

Offline Signature Verification Using Feature Learning and One-Class Classification

2020

Safia Shabbir Muhammad Imran Malik Imran Siddiqi

4th Mediterranean Conference on Pattern Recognition and Artificial Intelligence (MedPRAI), res.country(221,)

Citations: N/A

DOI: 10.1007/978-3-030-71804-6_18

Named Entity Recognition in Semi Structured Documents Using Neural Tensor Networks

2020

Khurram Shehzad Adnan Ul-Hasan Muhammad Imran Malik Faisal Shafait Khurram Shehzad Adnan Ul-Hasan Muhammad Imran Malik Faisal Shafait

Citations: N/A

DOI: 10.1007/978-3-030-57058-3_28

On Interpretability of Deep Learning based Skin Lesion Classifiers using Concept Activation Vectors

2020

Adriano Lucieri Muhammad Naseer Bajwa Stephan Alexander Braun Muhammad Imran Malik Andreas Dengel Sheraz Ahmed
International Joint Conference on Neural Networks, res.country(231,)

Citations: N/A

DOI: 10.1109/IJCNN48605.2020.9206946

G1020: A Benchmark Retinal Fundus Image Dataset for Computer-Aided Glaucoma Detection

2020

Muhammad Naseer Bajwa Gur Amrit Pal Singh Wolfgang Neumeier Muhammad Imran Malik Andreas Dengel Sheraz Ahmed
Proceedings of the International Joint Conference on Neural Networks, res.country(231,)

Citations: N/A

DOI: 10.1109/IJCNN48605.2020.9207664

On Interpretability of Deep Learning based SkinLesion Classifiers using Concept Activation Vectors

2020

Adriano Lucieri Muhammad Naseer Bajwa Stephan Braun Muhammad Imran Malik Andreas Dengel Sheraz Ahmed Adriano Lucieri Muhammad Naseer
Bajwa Stephan Braun Muhammad Imran Malik Andreas Dengel Sheraz Ahmed
International Joint Conference on Neural Networks (IJCNN, res.country(231,))

Citations: N/A

DOI: 10.1109/IJCNN.1990.137532

K-mer Neural Embedding Performance Analysis Using Amino Acid Codons

2020

Muhammad Nabeel Asim Muhammad Imran Malik Andreas Deengel Sheraz Ahmed Muhammad Nabeel Asim Muhammad Imran Malik Andreas Deengel
Sheraz Ahmed
International Joint Conference on Neural Networks (IJCNN, res.country(231,))

Citations: N/A

DOI: 10.1109/IJCNN.1990.137532

Detection of Subject Attention in an active environment through Facial Expressions using Deep Learning Techniques and Computer Vision

2020

Ahmed Husnain Johar Imran Malik Faisal Shafait Naqash Gerard Talha Yousuf Umer Asgher Adnan UI Hasan
11th International Conference on Applied Human Factors and Ergonomics, res.country(233,)

Citations: N/A

DOI: 10.1007/978-3-030-51041-1_43

Runway Detection And Localization In Aerial Images Using Deep Learning

2019

Javeria Akbar Muhammad Shahzad Muhammad Imran Malik Adnan UI-Hasan Faisal Shafait
Digital Image Computing: Techniques and Applications (DICTA), res.country(13,)

Citations: N/A

DOI: 10.1109/DICTA47822.2019.8945889

FFD: Figure And Formula Detection From Document Images

2019

Junaid Younas Syed Tahseen Raza Rizvi Muhammad Imran Malik Faisal Shafait Paul Lukowicz Sheraz Ahmed Junaid Younas Syed Tahseen Raza Rizvi
Muhammad Imran Malik Faisal Shafait Paul Lukowicz Sheraz Ahmed
Digital Image Computing: Techniques and Applications (DICTA), res.country(13,)

Citations: N/A

DOI: 10.1109/DICTA47822.2019.8945972

Combining Fine- and Coarse-Grained Classifiers for Diabetic Retinopathy Detection

2019

Muhammad Naseer Bajwa Yoshinobu Taniguchi Muhammad Imran Malik Wolfgang Neumeier Andreas Dengel Sheraz Ahmed
Communications in Computer and Information Science, res.country(231,)

Citations: N/A

DOI: 10.1007/978-3-030-39343-4_21

Combining Fine and Coarse Grained Classifiers for Diabetic Retinopathy Detection

2019

Bajwa, MN Y Taniguchi Muhammad Imran Malik W Neumeier A Dengel S Ahmed
23rd Conference on Medical Image Understanding and Analysis, res.country(231,)

Citations: N/A

DOI: <https://pdfs.semanticscholar.org/8bc0/1c52db229f1591924f65d3404db5ee1424f6.pdf>

KINN: Incorporating Expert Knowledge in Neural Networks

2019

Chattha, MA SA Siddiqui Muhammad Imran Malik L van Elst A Dengel S Ahmed
Proceedings of the AAAI 2019 Spring Symposium on Combining Machine Learning with Knowledge Engineering, res.country(233,)

Citations: N/A DOI: https://www.semanticscholar.org/paper/KINN%3A-Incorporating-Expert-Knowledge-in-Neural-Chattha-Siddiqui/3c8ce0df1c235d5bd7d0ebcf498492ffcac446c1	
What am I Writing: Classification of On-line Handwritten Sequences <i>Junaid Younas Stefan Fritsch Gerald PirkI Sheraz Ahmed Muhammad Imran Malik Faisal Shafait Paul Lukowicz Intelligent Environments 2018 Workshops: Rome, Italy, res.country(109,)</i> Citations: N/A DOI: https://dblp.org/db/conf/intenv/intenv2018w	2018
D-StatR: A Generic Method for Stamp Segmentation from Document Images <i>Junaid Younas Muhammad Zeshan Afzal Muhammad Imran Malik Faisal Shafait Paul Lukowicz Sheraz Ahmed 14th IAPR International Conference on Document Analysis and Recognition held from 9-15 Nov 2017 in Japan, res.country(113,)</i> Citations: N/A DOI: 10.1109/ICDAR.2017.49	2017
Table Detection using Deep Learning <i>Azka Gilani Shah Rukh Qasim Imran Malik Faisal Shafait 14th IAPR International Conference on Document Analysis and Recognition held from 9-15 Nov 2017 in Japan, res.country(113,)</i> Citations: N/A DOI: 10.1109/ICDAR.2017.131	2017
AirScript - Creating Documents in Air <i>Ayushman Dash Amit Sahu Rajveer Shringi John Gamboa Muhammad Zeshan Afzal Muhammad Imran Malik Andreas Dengel Sheraz Ahmed 14th IAPR International Conference on Document Analysis and Recognition held from 9-15 Nov 2017 in Japan, res.country(113,)</i> Citations: N/A DOI: 10.1109/ICDAR.2017.153	2017
Automatic Signature Segmentation Using Hyper-spectral Imaging <i>Faisal Shafait Umair Muneer Butt Sheraz Ahmad Christian Nansen Ajmal Saeed Mian Muhammad Imran Malik 2016 15th International Conference on Frontiers in Handwriting Recognition (ICFHR), res.country(48,)</i> Citations: N/A DOI: 10.1109/ICFHR.2016.0017	2016

Book Chapters

Surface water pollution monitoring using the Internet of Things (IoT) and machine learning <i>Hamza Khurshid Rafia Mumtaz Noor Alvi Faisal Shafait Sheraz Ahmed Muhammad Imran Malik Andreas Dengel Quanita Kiran In: Book on AI for Emerging Verticals Human-Robot Computing, Sensing and Networking, Chapter 17, Pages 337-351</i> Citations: N/A DOI: https://shop.theiet.org/ai-for-emerging-verticals	2020
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Editorial Activities

Sensors Edited Journal Issue / Proceeding / Book Impact Factor: 3.9	2023
Reviewed Papers for Journals Impact Factor: N/A	2023
Reviewed Papers for Journals Impact Factor: N/A	2023
Reviewed Papers for Journals Impact Factor: N/A	2023
Reviewed Papers for Journals Impact Factor: N/A	2023
Reviewed Papers for Journals	2023

2022

2022

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2020

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2019

2019

2019

Impact Factor: 1.228

Impact Factor: 1.995

Reviewed Papers for Journals Impact Factor: -	2019
Reviewed Papers for Journals	2019
Reviewed Papers for Journals	2019
Reviewed Papers for Journals Impact Factor: 4.098	2019
Reviewed Papers for Journals	2018
Reviewed Papers for Journals	2018