

# Tim O F Conrad

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5072169/publications.pdf>

Version: 2024-02-01

36  
papers

800  
citations

623574

14  
h-index

526166

27  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1266  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Linking digital surveillance and in-depth virology to study clinical patterns of viral respiratory infections in vulnerable patient populations. <i>IScience</i> , 2022, 25, 104276.                          | 1.9 | 1         |
| 2  | A Convergent Discretization Method for Transition Path Theory for Diffusion Processes. <i>Multiscale Modeling and Simulation</i> , 2021, 19, 242-266.   | 0.6 | 0         |
| 3  | Transfer learning for ECG classification. <i>Scientific Reports</i> , 2021, 11, 5251.   | 1.6 | 95        |
| 4  | eIF5A hypusination, boosted by dietary spermidine, protects from premature brain aging and mitochondrial dysfunction. <i>Cell Reports</i> , 2021, 35, 108941.   | 2.9 | 56        |
| 5  | Prediction of Covid-19 spreading and optimal coordination of counter-measures: From microscopic to macroscopic models to Pareto fronts. <i>PLoS ONE</i> , 2021, 16, e0249676.                                 | 1.1 | 13        |
| 6  | GraphKKE: graph Kernel Koopman embedding for human microbiome analysis. <i>Applied Network Science</i> , 2020, 5, .   | 0.8 | 3         |
| 7  | Combining Phage Display and Next-Generation Sequencing for Materials Sciences: A Case Study on Probing Polypropylene Surfaces. <i>Journal of the American Chemical Society</i> , 2020, 142, 10624-10628.      | 6.6 | 21        |
| 8  | Dictionary learning for transcriptomics data reveals type-specific gene modules in a multi-class setting. <i>IT - Information Technology</i> , 2020, 62, 119-134.   | 0.6 | 0         |
| 9  | Learning Chemical Reaction Networks from Trajectory Data. <i>SIAM Journal on Applied Dynamical Systems</i> , 2019, 18, 2000-2046.   | 0.7 | 3         |
| 10 | EMT network-based feature selection improves prognosis prediction in lung adenocarcinoma. <i>PLoS ONE</i> , 2019, 14, e0204186.   | 1.1 | 6         |
| 11 | Deep Learning for Proteomics Data for Feature Selection and Classification. <i>Lecture Notes in Computer Science</i> , 2019, , 301-316.   | 1.0 | 2         |
| 12 | Reusable building blocks in biological systems. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180595.   | 1.5 | 6         |
| 13 | Can we distinguish respiratory viral infections based on clinical features? A prospective pediatric cohort compared to systematic literature review. <i>Reviews in Medical Virology</i> , 2018, 28, e1997.    | 3.9 | 38        |
| 14 | Educating parents about the vaccination status of their children: A user-centered mobile application. <i>Preventive Medicine Reports</i> , 2017, 5, 241-250.  | 0.8 | 32        |
| 15 | Influenza and other respiratory viruses: standardizing disease severity in surveillance and clinical trials. <i>Expert Review of Anti-Infective Therapy</i> , 2017, 15, 545-568.                              | 2.0 | 26        |
| 16 | Sparse Proteomics Analysis â€” a compressed sensing-based approach for feature selection and classification of high-dimensional proteomics mass spectrometry data. <i>BMC Bioinformatics</i> , 2017, 18, 160. | 1.2 | 21        |
| 17 | Epithelial Mesenchymal Transition Network-Based Feature Engineering in Lung Adenocarcinoma Prognosis Prediction Using Multiple Omic Data. <i>Genomics and Computational Biology</i> , 2017, 3, 57.            | 0.7 | 3         |
| 18 | Innovative Digital Tools and Surveillance Systems for the Timely Detection of Adverse Events at the Point of Care: A Proof-of-Concept Study. <i>Drug Safety</i> , 2016, 39, 977-988.                          | 1.4 | 8         |

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|----|---|-----|-----------|
| 19 | Acfs: accurate circRNA identification and quantification from RNA-Seq data. <i>Scientific Reports</i> , 2016, 6, 38820.   | 1.6 | 70        |
| 20 | Epithelial-Mesenchymal Transition Regulatory Network-Based Feature Selection in Lung Cancer Prognosis Prediction. <i>Lecture Notes in Computer Science</i> , 2016, , 135-146.   | 1.0 | 4         |
| 21 | An Inception Cohort Study Assessing the Role of Pneumococcal and other Bacterial Pathogens in Children with Influenza and ILI and a Clinical Decision Model for Stringent Antibiotic Use. <i>Antiviral Therapy</i> , 2016, 21, 413-424. | 0.6 | 15        |
| 22 | Enabling Precision Medicine With Digital Case Classification at the Point-of-Care. <i>EBioMedicine</i> , 2016, 4, 191-196.  | 2.7 | 26        |
| 23 | Finding metastable states in real-world time series with recurrence networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 445, 1-17.   | 1.2 | 7         |
| 24 | Minimum-overlap Clusterings and the Sparsity of Overcomplete Decompositions of Binary Matrices. <i>Procedia Computer Science</i> , 2015, 51, 2967-2971.   | 1.2 | 1         |
| 25 | Human Parechovirus Infections Associated with Seizures and Rash in Infants and Toddlers. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 1049-1055.   | 1.1 | 29        |
| 26 | Modularity revisited: A novel dynamics-based concept for decomposing complex networks. <i>Journal of Computational Dynamics</i> , 2014, 1, 191-212.   | 0.4 | 14        |
| 27 | Accuracy of the unified approach in maternally influenced traits - illustrated by a simulation study in the honey bee ( <i>Apis mellifera</i> ). <i>BMC Genetics</i> , 2013, 14, 36.  | 2.7 | 14        |
| 28 | Pancreatic carcinoma, pancreatitis, and healthy controls: metabolite models in a three-class diagnostic dilemma. <i>Metabolomics</i> , 2013, 9, 677-687.  | 1.4 | 39        |
| 29 | Towards a Personalised Approach to Managing Influenza Infections in Infants and Children – Food for Thought and a Note on Oseltamivir. <i>Infectious Disorders - Drug Targets</i> , 2013, 13, 25-33.                                    | 0.4 | 8         |
| 30 | Finding Modules in Networks with Non-modular Regions. <i>Lecture Notes in Computer Science</i> , 2013, , 188-199.   | 1.0 | 0         |
| 31 | Simulating a base population in honey bee for molecular genetic studies. <i>Genetics Selection Evolution</i> , 2012, 44, 14.  | 1.2 | 6         |
| 32 | Inferring Proteolytic Processes from Mass Spectrometry Time Series Data Using Degradation Graphs. <i>PLoS ONE</i> , 2012, 7, e40656.  | 1.1 | 2         |
| 33 | Serum amino acid profiles and their alterations in colorectal cancer. <i>Metabolomics</i> , 2012, 8, 643-653.   | 1.4 | 117       |
| 34 | Surface-enhanced laser desorption/ionization time-of-flight mass spectrometry: serum protein profiling in seminoma patients. <i>World Journal of Urology</i> , 2010, 28, 193-197.   | 1.2 | 4         |
| 35 | Serum Peptidome Profiling Revealed Platelet Factor 4 as a Potential Discriminating Peptide Associated with Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2009, 15, 3812-3819.  | 3.2 | 101       |
| 36 | Beating the Noise: New Statistical Methods for Detecting Signals in MALDI-TOF Spectra Below Noise Level. <i>Lecture Notes in Computer Science</i> , 2006, , 119-128.  | 1.0 | 7         |