

# Pekka Kumpulainen

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

381  
citations

759055

12  
h-index

794469

19  
g-index

33  
all docs

33  
docs citations

33  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Prostate Cancer by an Electronic Nose: A Proof of Principle Study. <i>Journal of Urology</i> , 2014, 192, 230-235.	0.2	72
2	Rapid and Accurate Detection of Urinary Pathogens by Mobile IMS-Based Electronic Nose: A Proof-of-Principle Study. <i>PLoS ONE</i> , 2014, 9, e114279.	1.1	35
3	Readout methods for an inductively coupled resonance sensor used in pressure garment application. <i>Sensors and Actuators A: Physical</i> , 2011, 172, 109-116.	2.0	31
4	Correlation approach for the detection of the heartbeat intervals using force sensors placed under the bed posts. <i>Journal of Medical Engineering and Technology</i> , 2013, 37, 327-333.	0.8	25
5	Altered Polyamine Profiles in Colorectal Cancer. <i>Anticancer Research</i> , 2018, 38, 3601-3607.	0.5	22
6	Indirect NO <sub>x</sub> emission monitoring in natural gas fired boilers. <i>Control Engineering Practice</i> , 2017, 65, 11-25.	3.2	22
7	Wireless interrogation techniques for sensors utilizing inductively coupled resonance circuits. <i>Procedia Engineering</i> , 2010, 5, 216-219.	1.2	18
8	FAIMS analysis of urine gaseous headspace is capable of differentiating ovarian cancer. <i>Gynecologic Oncology</i> , 2018, 151, 519-524.	0.6	18
9	Comparison of non-invasive blood pressure monitoring using modified arterial applanation tonometry with intra-arterial measurement. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 13-22.	0.7	17
10	Local anomaly detection for mobile network monitoring. <i>Information Sciences</i> , 2008, 178, 3840-3859.	4.0	16
11	Dog behaviour classification with movement sensors placed on the harness and the collar. <i>Applied Animal Behaviour Science</i> , 2021, 241, 105393.	0.8	15
12	Detection of smell print differences between nonmalignant and malignant prostate cells with an electronic nose. <i>Future Oncology</i> , 2012, 8, 1157-1165.	1.1	13
13	Model based NO <sub>x</sub> emission monitoring in natural gas fired hot water boilers. <i>IFAC-PapersOnLine</i> , 2015, 48, 385-390.	0.5	10
14	Possible strategy to use differential mobility spectrometry in real time applications. <i>International Journal for Ion Mobility Spectrometry</i> , 2020, 23, 1-8.	1.4	10
15	Determination of saturation, heart rate, and respiratory rate at forearm using a Nellcor <sup>®</sup> forehead SpO <sub>2</sub> -saturation sensor. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 1019-1026.	0.7	8
16	Urine headspace analysis with field asymmetric ion mobility spectrometry for detection of chronic kidney disease. <i>Biomarkers in Medicine</i> , 2020, 14, 629-638.	0.6	6
17	Characterizing Mobile Network Daily Traffic Patterns by 1-Dimensional SOM and Clustering. <i>Communications in Computer and Information Science</i> , 2012, , 325-333.	0.4	6
18	Differential mobility spectrometry imaging for pathological applications. <i>Experimental and Molecular Pathology</i> , 2020, 117, 104526.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Predicting lecithin concentration from differential mobility spectrometry measurements with linear regression models and neural networks. <i>Talanta</i> , 2021, 225, 121926.	2.9	5
20	Discrimination between Pancreatic Cancer, Pancreatitis and Healthy Controls Using Urinary Polyamine Panel. <i>Cancer Control</i> , 2021, 28, 107327482110397.	0.7	5
21	Domestication of drinking: a survey study of changes in types of drinking occasions during periods of increasing and decreasing alcohol consumption in the 2000s in Finland. <i>Addiction</i> , 2022, 117, 2625-2634.	1.7	5
22	Relating Halftone Dot Quality to Paper Surface Topography. <i>Communications in Computer and Information Science</i> , 2009, , 178-189.	0.4	4
23	Description of movement sensor dataset for dog behavior classification. <i>Data in Brief</i> , 2022, 40, 107822.	0.5	4
24	Analysing 3G radio network performance with fuzzy methods. <i>Neurocomputing</i> , 2013, 107, 49-58.	3.5	2
25	Modelling of NOx Emissions in Natural Gas Fired Hot Water Boilers. <i>Communications in Computer and Information Science</i> , 2015, , 100-108.	0.4	2
26	Relating halftone dot quality to paper surface topography. <i>Neural Computing and Applications</i> , 2011, 20, 803-813.	3.2	1
27	Constructing Communication Profiles by Clustering Selected Network Traffic Attributes. , 2010, , .		0
28	EANN 2012: exploratory analysis of mobile phone traffic patterns using 1-dimensional SOM, clustering and anomaly detection. <i>Evolving Systems</i> , 2013, 4, 251-265.	2.4	0
29	Modelling Nonlinear Responses of Resonance Sensors in Pressure Garment Application. <i>International Federation for Information Processing</i> , 2011, , 420-429.	0.4	0
30	Performance of a Near-Field Radio-Frequency Pressure Sensing Method in Compression Garment Application. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012, , 322-328.	0.2	0
31	Tissue Identification From Surgical Smoke by Differential Mobility Spectrometry: An in Vivo Study. <i>IEEE Access</i> , 2021, 9, 168355-168367.	2.6	0