

# Tomáš Syrová<sup>1/2</sup>

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9069241/publications.pdf>

Version: 2024-02-01

50  
papers

785  
citations

471477

17  
h-index

526264

27  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Zinc, Cadmium, Lead, Copper and Silver Using a Carbon Paste Electrode and a Screen Printed Electrode Modified with Chromium(III) Oxide. <i>Sensors</i> , 2017, 17, 1832.	3.8	76
2	Towards a fully printed electrochemical NO <sub>2</sub> sensor on a flexible substrate using ionic liquid based polymer electrolyte. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 1084-1090.	7.8	47
3	The thermodynamic dissociation constants of ambroxol, antazoline, naphazoline, oxymetazoline and ranitidine by the regression analysis of spectrophotometric data. <i>Talanta</i> , 2004, 62, 511-522.	5.5	42
4	Tutorial on a chemical model building by least-squares non-linear regression of multiwavelength spectrophotometric pH-titration data. <i>Analytica Chimica Acta</i> , 2006, 580, 107-121.	5.4	42
5	Gravure-printed ammonia sensor based on organic polyaniline colloids. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 510-516.	7.8	41
6	The thermodynamic dissociation constants of losartan, paracetamol, phenylephrine and quinine by the regression analysis of spectrophotometric data. <i>Analytica Chimica Acta</i> , 2005, 533, 97-110.	5.4	39
7	Thermodynamic dissociation constants of silychristin, silybin, silydianin and mycophenolate by the regression analysis of spectrophotometric data. <i>Analytica Chimica Acta</i> , 2003, 486, 125-141.	5.4	38
8	Wide range humidity sensors printed on biocomposite films of cellulose nanofibril and poly(ethylene terephthalate). <i>Sensors</i> , 2016, 16, 1000.	2.6	35
9	Colloids of polypyrrole nanotubes/nanorods: A promising conducting ink. <i>Synthetic Metals</i> , 2016, 221, 67-74.	3.9	32
10	Preparation of arsenic sulfide thin films for integrated optical elements by spiral bar coating. <i>Optical Materials Express</i> , 2014, 4, 384.	3.0	31
11	Printed Flexible Gas Sensors based on Organic Materials. <i>Procedia Engineering</i> , 2015, 120, 614-617.	1.2	31
12	Reliability and uncertainty in the estimation of pK <sub>a</sub> by least squares nonlinear regression analysis of multiwavelength spectrophotometric pH titration data. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 941-955.	3.7	29
13	Towards conducting inks: Polypyrrole-silver colloids. <i>Electrochimica Acta</i> , 2014, 122, 296-302.	5.2	29
14	Pt-free counter electrodes based on modified screen-printed PEDOT:PSS catalytic layers for dye-sensitized solar cells. <i>Materials Science in Semiconductor Processing</i> , 2017, 66, 162-169.	4.0	28
15	Biological properties of printable polyaniline and polyaniline-silver colloidal dispersions stabilized by gelatin. <i>Synthetic Metals</i> , 2017, 232, 52-59.	3.9	24
16	Determination of the number of light-absorbing species in the protonation equilibria of selected drugs. <i>Analytica Chimica Acta</i> , 2003, 489, 137-151.	5.4	22
17	A novel computational strategy for the pK <sub>a</sub> estimation of drugs by nonlinear regression of multiwavelength spectrophotometric pH-titration data exhibiting small spectral changes. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 690-701.	1.9	20
18	Cathode material for lithium ion accumulators prepared by screen printing for Smart Textile applications. <i>Journal of Power Sources</i> , 2016, 309, 192-201.	7.8	17

#	ARTICLE	IF	CITATIONS
19	The thermodynamic dissociation constants of haemanthamine, lisuride, metergoline and nicergoline by the regression analysis of spectrophotometric data. <i>Analytica Chimica Acta</i> , 2005, 543, 254-266.	5.4	16
20	Quantitative fluctuation-enhanced sensing in amperometric NO <sub>2</sub> sensors. <i>Chemical Physics</i> , 2015, 456, 111-117.	1.9	15
21	Fully Printed Disposable IoT Soil Moisture Sensors for Precision Agriculture. <i>Chemosensors</i> , 2020, 8, 125.	3.6	15
22	An Electrochemical Amperometric Ethylene Sensor with Solid Polymer Electrolyte Based on Ionic Liquid. <i>Sensors</i> , 2021, 21, 711.	3.8	14
23	Thermal analysis of polyaniline poly(N-vinylpyrrolidone)-stabilized dispersions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 589-595.	3.6	10
24	Colorimetric analysis of thermochromic samples in different forms employing a digital camera. Measurement: Journal of the International Measurement Confederation, 2018, 127, 554-564.	5.0	8
25	Number of species in complexation equilibria of SNAZOXS or Naphtylazoxine 6S and Cd, Co, Cu, Ni, Pb and Zn ions by PCA of UV-vis spectra. <i>Talanta</i> , 2005, 66, 547-561.	5.5	7
26	Flexible smart tag for cold chain temperature monitoring. , 2017, , .		7
27	Application of Fluorescent Label in Polymer Nanofibers. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-6.	1.8	7
28	Screen-printed PEDOT:PSS/halloysite counter electrodes for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2019, 256, 116148.	3.9	7
29	Study of New Nitrogen-Fireable Copper-Nickel Thick Film Paste Formulation Compatible with Thick Printed Copper. <i>Materials</i> , 2022, 15, 1372.	2.9	7
30	Characterization of Polyaniline-Based Ammonia Gas Sensors Prepared by Means of Spray Coating and Ink-Jet Printing. <i>Sensor Letters</i> , 2014, 12, 1620-1627.	0.4	6
31	Optical, electrical and morphological study of PEDOT: PSS single layers spiral-bar coated with various secondary doping solvents. <i>Synthetic Metals</i> , 2017, 227, 139-147.	3.9	5
32	Towards roll-to-roll printed batteries based on organic electrodes for printed electronics applications. <i>Journal of Energy Storage</i> , 2021, 40, 102680.	8.1	5
33	Inhibition of premature polymerization of cationically polymerizable low viscosity systems. <i>Progress in Organic Coatings</i> , 2012, 74, 215-220.	3.9	4
34	Fully Printed Electrochemical NO <sub>2</sub> Sensor. <i>Procedia Engineering</i> , 2014, 87, 1043-1046.	1.2	4
35	Ionic liquid as an electrolyte for organic electrochemical transistor. , 2015, , .		3
36	Producing two-component thermochromic pattern by means of offset printing. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	Application of Ink-Jet Printing and Spray Coating for the Fabrication of Polyaniline/Poly(N-Vinylpyrrolidone)-Based Ammonia Gas Sensor. <i>Key Engineering Materials</i> , 0, 644, 61-64.	0.4	3
38	Recent Progress in the pKa Estimation of Druglike Molecules by the Nonlinear Regression of Multiwavelength Spectrophotometric pH-Titration Data. <i>SRX Pharmacology</i> , 2010, 2010, 1-10.	0.2	3
39	Printed inductors for RFID tags. , 2015, , .		2
40	Influence of Topology on Performance of Organic Electrochemical Transistor. <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> , 2016, 60, 211-216.	1.0	2
41	Organic electrochemical transistor based on ionic liquid: The temperature effect. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
42	Temperature modulated field effect in organic electrochemical transistor with ionic liquids. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
43	Ionic Liquid based polymer electrolytes for electrochemical sensors. <i>Medziagotyra</i> , 2015, 21, .	0.2	1
44	Comparison of quasi-solid state and liquid electrolytes for organic electrochemical transistor. , 2016, , .		1
45	Influence of aging on printed passive components parameters. , 2017, , .		1
46	Testing and development platform for printed sensor and components. , 2018, , .		1
47	Tuning of hydrophobicity of conducting films cast from polyaniline-phytic acid-poly(N-vinylpyrrolidone) dispersions. <i>Progress in Organic Coatings</i> , 2022, 163, 106666.	3.9	1
48	Number of species in complexation equilibria of o-, m- and p-CAPAZOXS with Cd <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Pb <sup>2+</sup> and Zn <sup>2+</sup> ions by PCA of UV-vis spectra. <i>Talanta</i> , 2007, 71, 115-122.	5.5	0
49	Asymmetric bipolar electrochemistry: Detailed empirical description and determination of output characteristics of a galvanic system with multiple short-circuited cells in one electrolyte. <i>Electrochimica Acta</i> , 2019, 307, 269-274.	5.2	0
50	Synthesis and optical properties of Nâ†Ga coordinated gallium boroxines. <i>Dalton Transactions</i> , 2021, 50, 18164-18172.	3.3	0