

# Masanobu Matsuguchi

## List of Publications by Year in descending order

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20  
papers

294  
citations

933447

10  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Humidity Sensor Using Cross-Linked Quaternized Polyvinylpyridine. Journal of the Electrochemical Society, 1989, 136, 171-174.	2.9	79
2	A Humidity Sensor Using Polytetrafluoroethylene-Graft-Quaternized Polyvinylpyridine. Journal of the Electrochemical Society, 1991, 138, 2474-2478.	2.9	65
3	Poly(N-isopropylacrylamide) nanoparticles for QCM-based gas sensing of HCl. Sensors and Actuators B: Chemical, 2014, 190, 446-450.	7.8	24
4	HCl gas adsorption/desorption properties of poly(N-isopropylacrylamide) brushes grafted onto quartz resonator for gas-sensing applications. Sensors and Actuators B: Chemical, 2015, 208, 106-111.	7.8	20
5	Solvatochromic study of water sorption in polymer films. Journal of Applied Polymer Science, 1997, 63, 1681-1691.	2.6	15
6	Drift Phenomenon of Capacitive-Type Relative Humidity Sensors in a Hot and Humid Atmosphere. Journal of the Electrochemical Society, 2000, 147, 2796.	2.9	15
7	Humidity Sensors Using Chemically Modified Polymer Thin Films. Electrochemistry, 1999, 67, 950-956.	1.4	13
8	A Capacitive-type Relative Humidity Sensor Having a Double Layer Structure Consisting of a Photocrosslinked PVCA and a PMMA Film. Electrochemistry, 1999, 67, 170-174.	1.4	10
9	Highly sensitive toluene vapor sensors using carbon black/amino-functional copolymer composites. Journal of Applied Polymer Science, 2013, 127, 2529-2535.	2.6	10
10	A Highly Sensitive Ammonia Gas Sensor Using Micrometer-Sized Core-Shell-Type Spherical Polyaniline Particles. Sensors, 2021, 21, 7522.	3.8	10
11	Competitive sorption of water vapor and CO <sub>2</sub> in photocrosslinked PVCA film for a capacitive-type humidity sensor. Journal of Applied Polymer Science, 2002, 83, 401-407.	2.6	6
12	HCl Gas Sensor Coating Based on Poly(N-isopropylacrylamide) Nanoparticles Prepared from Water-Methanol Binary Solvent. Sensors, 2018, 18, 3283.	3.8	6
13	Monolithic Au Nanoscale Films with Tunable Nanoporosity Prepared via Dynamic Soft Templating for Electrocatalytic Oxidation of Methanol. ACS Applied Nano Materials, 2020, 3, 7750-7760.	5.0	6
14	Effect of crosslinking structure on sorption of CO <sub>2</sub> in photocrosslinked PVCA film. Journal of Applied Polymer Science, 2000, 78, 1744-1750.	2.6	5
15	Humidity-Resistive Optical NO Gas Sensor Devices Based on Cobalt Tetraphenylporphyrin Dispersed in Hydrophobic Polymer Matrix. Sensors, 2020, 20, 1295.	3.8	5
16	Toluene vapor sorption of chemically modified methyl methacrylate-chloromethyl styrene copolymers with N,N-dimethyl-1,3-propanediamine measured with a quartz crystal microbalance. Journal of Applied Polymer Science, 2009, 111, 1086-1093.	2.6	3
17	Porous gold nanomesh films electrodeposited in toluene-based dynamic soft template. Electrochimica Acta, 2022, 426, 140761.	5.2	2
18	Humidity sensor using porous ceramics.. Hyomen Kagaku, 1988, 9, 427-433.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Dynamic Soft Templating of Monolithic Au Thin Film Electrodeposited from Bicontinuous Microemulsion. ECS Meeting Abstracts, 2020, MA2020-02, 1485-1485.	0.0	0
20	A Flexible Ammonia Gas Sensor Based on a Grafted Polyaniline Grown on a Polydopamine-Coated Polymer Film. ECS Meeting Abstracts, 2020, MA2020-02, 3404-3404.	0.0	0