Yasuo Yoshimi

List of Publications by Year
in descending order

29 papers	516 citations	687363 13 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	476 citing authors

#	Article	IF	Citations
1	â€œGate effectâ€•of thin layer of molecularly-imprinted poly(methacrylic acid-co-ethyleneglycol) Tj ETQq1 1 0.784314 rgBT /Overlock 1	7.8	106
2	Gate effect of theophylline-imprinted polymers grafted to the cellulose by living radical polymerization. Journal of Membrane Science, 2004, 233, 169-173.	8.2	65
3	Application of the â€˜gate effectâ€™ of a molecularly imprinted polymer grafted on an electrode for the real-time sensing of heparin in blood. Analyst, The, 2013, 138, 5121.	3.5	49
4	Development of an enzyme-free glucose sensor using the gate effect of a molecularly imprinted polymer. Journal of Artificial Organs, 2009, 12, 264-270.	0.9	43
5	Influence of solvents on chiral discriminative gate effect of molecularly imprinted poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	7.8	37
6	Heparin molecularly imprinted polymer thin flm on gold electrode by plasma-induced graft polymerization for label-free biosensor. Journal of Pharmaceutical and Biomedical Analysis, 2018, 151, 324-330.	2.8	27
7	Blood heparin sensor made from a paste electrode of graphite particles grafted with molecularly imprinted polymer. Sensors and Actuators B: Chemical, 2018, 259, 455-462.	7.8	26
8	Gate Effect of Cellulosic Dialysis Membrane Grafted with Molecularly Imprinted Polymer.. Journal of Chemical Engineering of Japan, 2001, 34, 1466-1469.	0.6	22
9	Influence of the solvent on nature of gate effect in molecularly imprinted membrane. Analytica Chimica Acta, 2010, 682, 110-116.	5.4	19
10	Improved gate effect enantioselectivity of phenylalanine-imprinted polymers in water by blending crosslinkers. Analytica Chimica Acta, 2015, 862, 77-85.	5.4	17
11	A â€œSingle-Useâ€•Ceramic-Based Electrochemical Sensor Chip Using Molecularly Imprinted Carbon Paste Electrode. Sensors, 2020, 20, 5847.	3.8	16
12	Development of an artificial synapse using an electrochemical micropump. Journal of Artificial Organs, 2005, 7, 210-215.	0.9	14
13	Size of Heparin-Imprinted Nanoparticles Reflects the Matched Interactions with the Target Molecule. Sensors, 2019, 19, 2415.	3.8	14
14	Chiral-Discriminative Gate Effect in Self-Supporting Phenylalanine-Imprinted Poly(Methacrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Engineering of Japan, 2009, 42, 600-606.	0.6	12
15	Cathodic Electrochemiluminescence of Luminol Enhanced by Antibody-Antigen Reaction.. Journal of Chemical Engineering of Japan, 1996, 29, 851-857.	0.6	11
16	Effect of Electrostatic Interactions on Gate Effect in Molecularly Imprinted Polymers. Electrochemistry, 2004, 72, 508-510.	1.4	8
17	Stabilized sensing of heparin in whole blood using the â€˜gate effectâ€™ of heparin-imprinted polymer grafted onto an electrode. Molecular Imprinting, 2016, 4, .	1.8	8
18	Transient Measurement of Glucose Using On-Off Controllable Enzyme Electrode with Polypyrrole Membrane.. Journal of Chemical Engineering of Japan, 1998, 31, 29-34.	0.6	4

#	Article	IF	Citations
19	Changes in the Porosity and Permeability of a Molecularly Imprinted Membrane Induced by the Adsorption of a Trace Quantity of Template. The Open Analytical Chemistry Journal, 2013, 7, 22-29.	2.2	4
20	Reagentless Sensing of Vancomycin Using an Indium Tin Oxide Electrode Grafted with Molecularly Imprinted Polymer including Ferrocenyl Group. Sensors, 2021, 21, 8338.	3.8	3
21	Electroluminescence of Indium-Tin Oxide in an Alkaline Solution of Hydrogen Peroxide.. Journal of Chemical Engineering of Japan, 1996, 29, 1063-1066.	0.6	2
22	Molecularly Imprinted Polymers Applicable for Biomimetic CatalystsÂin Sensors. , 2016, , 241-252.		2
23	A Disposable Sensor Chip Using a Paste Electrode with Surface-Imprinted Graphite Particles for Rapid and Reagentless Monitoring of Theophylline. Molecules, 2022, 27, 2456.	3.8	2
24	Analysis of Reaction of Luminol at an Indium-tin Oxide Anode by Cyclic Voltammetry.. Journal of Chemical Engineering of Japan, 1997, 30, 535-538.	0.6	1
25	Improvement of Hydrogen Peroxide Sensitivity by an Electrochemiluminescent Method with Luminol using Polyion Adsorption onto the Electrode. Electrochemistry, 2004, 72, 747-750.	1.4	1
26	Is â€œGate Effectâ€•of Molecularly Imprinted Polymer Membrane Truly a Certain Phenomena?. Membrane, 2005, 30, 147-151.	0.0	0
27	Molecularly Imprinted Carbon-Paste for Theophylline Sensing on a Disposable Paper Chip Sensor. ECS Meeting Abstracts, 2021, MA2021-01, 1394-1394.	0.0	0
28	Metaniche session 2016: Tailor-made sensors for rapid Therapeutic Drug Monitoring â€“Interactions between Biomaterial Physicists, Chemical Engineers and Clinicians for successful translation of technologies in Healthcare. Journal of Stem Cells and Regenerative Medicine, 2016, 12, 105-107.	2.2	0
29	A Disposable Vancomycin Sensor Using Molecularly Imprinted Carbon Paste on a Ceramic Chip. ECS Meeting Abstracts, 2020, MA2020-02, 3332-3332.	0.0	0