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List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Green synthesis of microalgae-based carbon dots for decoration of TiO2 nanoparticles in enhancement of organic dye photodegradation. Environmental Research, 2022, 206, 112631.	7.5	26
2	Fabrication of Wearable PDMS Device for Rapid Detection of Nucleic Acids via Recombinase Polymerase Amplification Operated by Human Body Heat. Biosensors, 2022, 12, 72.	4.7	14
3	Recent advances in the fabrication strategies of paper-based microfluidic devices for rapid detection of bacteria and viruses. Microchemical Journal, 2022, 180, 107548.	4.5	15
4	Metal-enhanced sensing platform for the highly sensitive detection of C-reactive protein antibody and rhodamine B with applications in cardiovascular diseases and food safety. Dalton Transactions, 2021, 50, 6962-6974.	3.3	5
5	Poly(acrylic acid) as an adhesion promoter for UV-assisted thermoplastic bonding: Application for the in vitro construction of human blood vessels. Materials Science and Engineering C, 2021, 122, 111874.	7.3	12
6	Development of a highly sensitive sensor chip using optical diagnostic based on functionalized plasmonically active AuNPs. Nanotechnology, 2021, 32, 335505.	2.6	6
7	Microfluidic-based fabrication of alginate microparticles for protein delivery and its application in the in vitro chondrogenesis of mesenchymal stem cells. Journal of Drug Delivery Science and Technology, 2021, 66, 102735.	3.0	8
8	Rapid and sensitive detection of Rhodamine B in food using the plasmonic silver nanocube-based sensor as SERS active substrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120179.	3.9	13
9	Pressure-Free Assembling of Poly(methyl methacrylate) Microdevices via Microwave-Assisted Solvent Bonding and Its Biomedical Applications. Biosensors, 2021, 11, 526.	4.7	6
10	Rapid Fabrication of Poly(methyl methacrylate) Devices for Lab-on-a-Chip Applications Using Acetic Acid and UV Treatment. ACS Omega, 2020, 5, 17396-17404.	3.5	35
11	Bimetallic Thin-Film Combination of Surface Plasmon Resonance-Based Optical Fiber Cladding with the Polarizing Homodyne Balanced Detection Method and Biomedical Assay Application. Langmuir, 2020, 36, 9967-9976.	3.5	3
12	The highly sensitive determination of serotonin by using gold nanoparticles (Au NPs) with a localized surface plasmon resonance (LSPR) absorption wavelength in the visible region. RSC Advances, 2020, 10, 30858-30869.	3.6	31
13	Chitosan–polydopamine hydrogel complex: a novel green adhesion agent for reversibly bonding thermoplastic microdevice and its application for cell-friendly microfluidic 3D cell culture. Lab on A Chip, 2020, 20, 3524-3534.	6.0	20
14	Fabrication of a foldable all-in-one point-of-care molecular diagnostic microdevice for the facile identification of multiple pathogens. Sensors and Actuators B: Chemical, 2020, 314, 128057.	7.8	28
15	Heat and pressure-resistant room temperature irreversible sealing of hybrid PDMS–thermoplastic microfluidic devices <i>via</i> carbon–nitrogen covalent bonding and its application in a continuous-flow polymerase chain reaction. RSC Advances, 2020, 10, 16502-16509.	3.6	9
16	Fully integrated and slidable paper-embedded plastic microdevice for point-of-care testing of multiple foodborne pathogens. Biosensors and Bioelectronics, 2019, 135, 120-128.	10.1	83
17	Clog-free and reliable solvent bonding of poly(methyl methacrylate) microdevice mediated by eco-friendly acetic acid at room temperature and its application for polymerase chain reaction and human cell culture. Sensors and Actuators B: Chemical, 2019, 282, 1008-1017.	7.8	20
18	Class-polytetrafluoroethylene-glass based sandwich microdevice for continuous-flow polymerase chain reaction and its application for fast identification of foodborne pathogens. Talanta, 2018, 176, 544-550.	5.5	23

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19	Fabrication of 3D continuous-flow reverse-transcription polymerase chain reaction microdevice integrated with on-chip fluorescence detection for semi-quantitative assessment of gene expression. Analyst, The, 2018, 143, 5692-5701.	3.5	4
20	Fabrication of an integrated polystyrene microdevice for pre-concentration and amplification of Escherichia coliO157:H7 from raw milk. Analytical Methods, 2018, 10, 5071-5077.	2.7	6
21	Fluorescence Enhancement Using Bimetal Surface Plasmon-Coupled Emission from 5-Carboxyfluorescein (FAM). Micromachines, 2018, 9, 460.	2.9	10
22	Microdeviceâ€based solidâ€phase polymerase chain reaction for rapid detection of pathogenic microorganisms. Biotechnology and Bioengineering, 2018, 115, 2194-2204.	3.3	8
23	One-step DNA purification and amplification on an integrated plastic microdevice for on-site identification of foodborne pathogens. Analytica Chimica Acta, 2018, 1040, 63-73.	5.4	15
24	Reproducible Enhancement of Fluorescence by Bimetal Mediated Surface Plasmon Coupled Emission for Highly Sensitive Quantitative Diagnosis of Double‣tranded DNA. Small, 2018, 14, e1801385.	10.0	53
25	Fabrication of a 3D Teflon microdevice for energy free homogeneous liquid flow inside a long microchannel and its application to continuous-flow PCR. RSC Advances, 2017, 7, 10624-10630.	3.6	13
26	A portable microreactor with minimal accessories for polymerase chain reaction: application to the determination of foodborne pathogens. Mikrochimica Acta, 2017, 184, 4225-4233.	5.0	16
27	Integration of a microfluidic polymerase chain reaction device and surface plasmon resonance fiber sensor into an inline all-in-one platform for pathogenic bacteria detection. Sensors and Actuators B: Chemical, 2017, 242, 1-8.	7.8	83
28	Fabrication of Polymerase Chain Reaction Plastic Lab-on-a-Chip Device for Rapid Molecular Diagnoses. International Neurourology Journal, 2016, 20, S38-48.	1.2	28
29	Portable plastic syringe as a self-actuated pump for long-distance uniform delivery of liquid inside a microchannel and its application for flow-through polymerase chain reaction on chip. RSC Advances, 2015, 5, 12071-12077.	3.6	19
30	Flow-through polymerase chain reaction inside a seamless 3D helical microreactor fabricated utilizing a silicone tube and a paraffin mold. Analyst, The, 2015, 140, 1416-1420.	3.5	19
31	One-step glass-like coating of polycarbonate for seamless DNA purification and amplification on an integrated monolithic microdevice. Sensors and Actuators B: Chemical, 2014, 202, 1281-1289.	7.8	14
32	Bent polydimethylsiloxane–polycarbonate hybrid microdevice for on-chip flow-through polymerase chain reaction employing a single heater. Mikrochimica Acta, 2014, 181, 1697-1705.	5.0	6
33	Planar poly(dimethylsiloxane) (PDMS)–glass hybrid microdevice for a flow-through polymerase chain reaction (PCR) employing a single heater assisted by an intermediate metal alloy layer for temperature gradient formation. Sensors and Actuators B: Chemical, 2014, 190, 177-184.	7.8	25
34	Pressure-driven one-step solid phase-based on-chip sample preparation on a microfabricated plastic device and integration with flow-through polymerase chain reaction (PCR). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 936, 88-94.	2.3	12
35	Flow-through PCR on a 3D qiandu-shaped polydimethylsiloxane (PDMS) microdevice employing a single heater: toward microscale multiplex PCR. Analyst, The, 2012, 137, 2069.	3.5	34
36	Hand-held syringe as a portable plastic pump for on-chip continuous-flow PCR: miniaturization of sample injection device. Analyst, The, 2012, 137, 983-990.	3.5	30