

# CITATION REPORT

List of articles citing

**A novel BOD biosensor based on entrapped activated sludge in a porous chitosan-albumin cryogel incorporated with graphene and methylene blue**

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**Sensors and Actuators B: Chemical, 2017, 241, 473-481.**

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#	Paper	IF	Citations
29	A preparation of homogeneous distribution of palladium nanoparticle on poly (acrylic acid)-functionalized graphene oxide modified electrode for formalin oxidation. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 229-240	6.7	18
28	Simple flow injection system for non-enzymatic glucose sensing based on an electrode modified with palladium nanoparticles-graphene nanoplatelets/multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , <b>2019</b> , 320, 134621	6.7	23
27	Self-build packed-bed bioreactor for rapid and effective BOD estimation. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 25656-25667	5.1	4
26	Mediator BOD Biosensor Based on Cells of Microorganisms Isolated from Activated Sludge. <i>Applied Biochemistry and Microbiology</i> , <b>2019</b> , 55, 189-197	1.1	7
25	Cell-based biosensors: Recent trends, challenges and future perspectives. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 141, 111435	11.8	99
24	The use of M@p(4-VP) and M@p (VI) (M:Co, Ni, Cu) cryogel catalysts as reactor in a glass column in the reduction of p-nitrophenol to p-aminophenol under gravity. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2019</b> , 14, e2305	1.3	6
23	Recent development in chitosan nanocomposites for surface-based biosensor applications. <i>Electrophoresis</i> , <b>2019</b> , 40, 2084-2097	3.6	37
22	Effect of hexaammineruthenium chloride and/or horseradish peroxidase on the performance of hydrogen peroxide (bio)sensors: a comparative study. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 5381-5398	4.3	4
21	Uric acid enzyme biosensor based on a screen-printed electrode coated with Prussian blue and modified with chitosan-graphene composite cryogel. <i>Microchemical Journal</i> , <b>2020</b> , 154, 104624	4.8	28
20	A Hybrid Redox-Active Polymer Based on Bovine Serum Albumin, Ferrocene, Carboxylated Carbon Nanotubes, and Glucose Oxidase. <i>Journal of Analytical Chemistry</i> , <b>2020</b> , 75, 1189-1200	1.1	2
19	Microbial Fuel Cell-Based Biological Oxygen Demand Sensors for Monitoring Wastewater: State-of-the-Art and Practical Applications. <i>ACS Sensors</i> , <b>2020</b> , 5, 2297-2316	9.2	27
18	A Current Sensing Biosensor for BOD Rapid Measurement. <i>Archaea</i> , <b>2020</b> , 2020, 8894925	2	0
17	Prediction of BOD Concentration in Wastewater Treatment Process Using a Modular Neural Network in Combination with the Weather Condition. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7477	2.6	1
16	Biosensors and Nanobiosensors in Environmental Applications. <b>2020</b> , 515-591		10
15	An Enzyme Electrocatalytic AGp16 INK4a Immunosensor Based on Polymethylene Blue Decorated on Functional Composite Electrode. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 067501	3.9	
14	Simple approach for the rapid estimation of BOD in food processing wastewater. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 20554-20564	5.1	1
13	Use of biocompatible redox-active polymers based on carbon nanotubes and modified organic matrices for development of a highly sensitive BOD biosensor. <i>Enzyme and Microbial Technology</i> , <b>2021</b> , 143, 109706	3.8	8

12	Bacterial Cellulose Immobilized <i>S. cerevisiae</i> as Microbial Sensor for Rapid BOD Detection. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 1208-1217	2	2
11	A kinetic approach to the formation of two-mediator systems for developing microbial biosensors as exemplified by a rapid biochemical oxygen demand assay. <i>3 Biotech</i> , <b>2021</b> , 11, 222	2.8	1
10	Reducing lactose content of milk from livestock and humans via lactose imprinted poly(2-hydroxyethyl methacrylate-N-methacryloyl-L-aspartic acid) cryogels. <i>Journal of Polymer Engineering</i> , <b>2021</b> ,	1.4	
9	Reusable Optical Biosensor Based on Poly (Vinyl) Alcohol - Chitosan Cryogel with Incorporated Magnetic Nanoparticles for the Determination of Sucrose in Sugar Cane and Sugar. <i>Analytical Letters</i> , 1-13	2.2	2
8	Trace level detection of explosives and pesticides using robust, low-cost, free-standing silver nanoparticles decorated porous silicon. <i>Optics Express</i> , <b>2021</b> , 29, 30045-30061	3.3	4
7	Biomedical applications of biopolymer-based (nano)materials. <b>2021</b> , 189-332		1
6	A simplified CFD model to describe fluid dynamics, mass transport and breakthrough curves performance in cryogel supports for chromatographic separation. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 179, 56-65	5.5	0
5	Developmental Studies on Practical Enzymatic Phosphate Ion Biosensors and Microbial BOD Biosensors, and New Insights into the Future Perspectives of These Biosensor Fields.		
4	Electroactive Biofilms of Activated Sludge Microorganisms on a Nanostructured Surface as the Basis for a Highly Sensitive Biochemical Oxygen Demand Biosensor. <b>2022</b> , 22, 6049		2
3	Microbial Biosensors for Rapid Determination of Biochemical Oxygen Demand: Approaches, Tendencies and Development Prospects. <b>2022</b> , 12, 842		1
2	Acceptor properties of Carbon nanotubes/Redox-active polymer based on bovine serum albumin modified with ferrocenecarboxaldehyde composite for creating a BOD biosensor with <i>Blastobotrys adenivorans</i> BKM Y-2677 yeast. <b>2023</b> , 13,		0
1	Bioinspired Multiscale Micro-/Nanofiber Network Design Enabling Extremely Compressible, Fatigue-Resistant, and Rapidly Shape-Recoverable Cryogels. <b>2023</b> , 17, 6317-6329		0