Sensor and biosensor preparation, optimisation and applications of Prussian Blue modified electrodes

DOI: 10.1016/j.bios.2004.12.001
Biosensors and Bioelectronics, 2005, 21, 389-407.

#	Paper	IF	Citations
653	3D-Printed Low-Cost Spectroelectrochemical Cell for In Situ Raman Measurements.		
652	Synthesis, characterization and performance of vanadium hexacyanoferrate as electrocatalyst of H2O2. **2005**, 7, 1398-1404		102
651	Enhanced charge transport and incorporation of redox mediators in layer-by-layer films containing PAMAM-encapsulated gold nanoparticles. **2006**, 110, 17478-83		88
650	Highly sensitive electrochemical detection of trace liquid peroxide explosives at a Prussian-blue 'artificial-peroxidase' modified electrode. **2006**, 131, 1279-81		61
649	Band gap variation in Prussian Blue via cation-induced structural distortion. **2006**, 110, 24294-8		32
648	Structural and magnetic diversity in cyano-bridged bi- and trimetallic complexes assembled from cyanometalates and [M(rac-CTH)]n+ building blocks (CTH = d,l-5,5,7,12,12,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane). **2006**, 45, 10537-51		55
647	All polymer electrochemical sensor. **2006**, 365-367		
646	Compositional changes in unusually stabilized Prussian blue by CTAB surfactant: Application to electrocatalytic reduction of H2O2. **2006**, 8, 621-626		21
645	In situ immobilization of glucose oxidase in chitosan–gold nanoparticle hybrid film on Prussian Blue modified electrode for high-sensitivity glucose detection. **2006**, 8, 1468-1474		110
644	A strategy for enzyme immobilization on layer-by-layer dendrimer–gold nanoparticle electrocatalytic membrane incorporating redox mediator. **2006**, 8, 1665-1670		168
643	DNA-Cu(II) poly(amine) complex membrane as novel catalytic layer for highly sensitive amperometric determination of hydrogen peroxide. *Biosensors and Bioelectronics*, **2006**, 21, 2121-8	11.8	47
642	Design of molecular wires based on supramolecular structures for application in glucose biosensors. *Biosensors and Bioelectronics*, **2006**, 22, 298-305	11.8	26
641	Prussian blue-glutamate oxidase modified glassy carbon electrode: A sensitive l-glutamate and □N-oxalyl-□□diaminopropionic acid (□ODAP) sensor. *Analytica Chimica Acta*, **2006**, 556, 319-325	6.6	29
640	Glutathione amperometric detection based on a thiol□disulfide exchange reaction. *Analytica Chimica Acta*, **2006**, 558, 164-170	6.6	39
639	Assembly of Prussian blue onto SiO2 nanoparticles and carbon nanotubes by electrostatic interaction. **2006**, 278, 123-128		21
638	Spectroscopic confirmation of electrocatalytic behavior of amperometric carbohydrate detection on copper electrode. **2006**, 84, 70-74		12
637	A new electrode consisting of Prussian blue/Dibenzo-18-crown-6 ion-pair complex for electrochemical capacitor applications. **2006**, 158, 801-805		6

636	Cetyltrimethyl ammonium bromide surfactant-assisted morphological and electrochemical changes in electrochemically prepared nanoclustered iron(III) hexacyanoferrate. *Journal of Electroanalytical Chemistry*, **2006**, 589, 167-175	4.1	25
635	Interfacial design and functionization on metal electrodes through self-assembled monolayers. **2006**, 61, 445-463		119
634	Amperometric Biosensor for Lactate Based on Meldola's Blue Adsorbed on Silica Gel Modified with Niobium Oxide. **2006**, 18, 1208-1214		12
633	General Kinetic Model for Amperometric Sensors Based on Prussian Blue Mediator and Its Analogs: Application to Cysteine Detection. **2006**, 18, 1313-1321		5
632	Amperometric Glucose Biosensors Based on Integration of Glucose Oxidase onto Prussian Blue/Carbon Nanotubes Nanocomposite Electrodes. **2006**, 18, 1842-1846		36
631	Hydrogen Peroxide Producing and Decomposing Enzymes: their Use in Biosensors and other Applications. **2007**, 441-459		4
630	An approach to in situ detection of hydrogen peroxide: application of a commercial needle-type electrode. **2007**, 28, 1533-42		6
629	Electrochemical Sensor for Tryptophan Determination Based on Copper-cobalt Hexacyanoferrate Film Modified Graphite Electrode. **2007**, 7, 2446-2457		47
628	Chapter 24 Mediated enzyme screen-printed electrode probes for clinical, environmental and food analysis. **2007**, 49, 559-584		3
627	A coulometric biosensor to determine hydrogen peroxide using a monomolecular layer of horseradish peroxidase immobilized on a glass surface. *Biosensors and Bioelectronics*, **2007**, 22, 2694-9	11.8	34
626	Industrial Enzymes. **2007**,		78
625	Fabrication of Prussian Blue/Multiwalled Carbon Nanotubes/Glass Carbon Electrode through Sequential Deposition. **2007**, 46, 6847-6851		35
624	Bi-functionalization of a patterned Prussian blue array for amperometric measurement of glucose via two integrated detection schemes. **2007**, 132, 164-72		24
623	Ruthenium purple-mediated microelectrode biosensors based on sol-gel film. **2007**, 79, 6760-6		43
622	Fabrication and electrochemical investigation of layer-by-layer deposited titanium phosphate/Prussian blue composite films. **2007**, 23, 6084-90		37
621	Part I: recent developments in nanoelectrodes for biological measurements. **2007**, 2, 587-98		18
620	Enzymatic spectrophotometric method for aflatoxin B detection based on acetylcholinesterase inhibition. **2007**, 79, 3409-15		71
619	Novel Method for Deposition of Gold−Prussian Blue Nanocomposite Films Induced by Electrochemically Formed Gold Nanoparticles: Characterization and Application to Electrocatalysis. **2007**, 19, 4722-4730		87

618	Synthesis and characterization of copper hexacyanoferrate nanoparticles for building up long-term stability electrochromic electrodes. **2007**, 23, 6796-800		88
617	Electrochromism by intervalence charge-transfer coloration: metal hexacyanometallates. 282-302		2
616	Development and Application of Oxysilane Sol□Gel Electrochemical Glucose Biosensors Based on Cobalt Hexacyanoferrate Modified Carbon Film Electrodes. **2007**, 19, 220-226		21
615	Improvement of Selectivity and Stability of Amperometric Detection of Hydrogen Peroxide Using Prussian Blue-PAMAM Supramolecular Complex Membrane as a Catalytic Layer. **2007**, 19, 659-667		24
614	Effect of Various Deposition Techniques, Electrode Materials and Posttreatment with Tetrabutylammonium and Tetrabutylphosphonium Salts on the Electrochemical Behavior and Stability of Various Prussian Blue Modified Electrodes. **2007**, 19, 1921-1932		5
613	Glucose Biosensors Based on Electrodes Modified with Ferrocene Derivatives Intercalated into Mg/Al Layered Double Hydroxides. **2007**, 19, 2321-2327		27
612	Preparation and characterization of hybrid platinum/Prussian blue nanoparticles. **2007**, 295, 135-138		16
611	A probe for NADH and H2O2 amperometric detection at low applied potential for oxidase and dehydrogenase based biosensor applications. *Biosensors and Bioelectronics*, **2007**, 22, 854-62	11.8	57
610	Amperometric thiol sensor based on Prussian blue-modified glassy carbon electrode. **2007**, 7, 496-499		11
609	The punctured droplet electrode □A new three-phase electrode with well defined geometry. **2007**, 9, 386-392		22
608	Flow injection analysis of blood L-lactate by using a Prussian Blue-based biosensor as amperometric detector. **2007**, 365, 260-5		26
607	Amperometric biosensor based on Prussian Blue-modified screen-printed electrode for lipase activity and triacylglycerol determination. *Analytica Chimica Acta*, **2007**, 594, 1-8	6.6	43
606	Preparation, electrochemical behavior and performance of gallium hexacyanoferrate as electrocatalyst of H2O2. *Electrochimica Acta*, **2007**, 52, 4403-4410	6.7	37
605	Improved electrochemical properties of prussian blue by multi-walled carbon nanotubes. *Journal of Electroanalytical Chemistry*, **2007**, 603, 59-66	4.1	96
604	Sol□gel derived terbium hexacyanoferrate modified carbon ceramic electrode: Electrochemical behavior and its electrocatalytical oxidation of ascorbic acid. *Journal of Electroanalytical Chemistry*, **2007**, 606, 39-46	4.1	35
603	Chemically sensitized ormosil-modified electrodes□Studies on the enhancement of selectivity in electrochemical oxidation of hydrogen peroxide. **2007**, 122, 30-41		8
602	Oxides of platinum metal group as potential catalysts in carbonaceous amperometric biosensors based on oxidases. **2007**, 124, 297-302		20
601	Electrochemical sensor for H2O2 based on thionin immobilized 3-aminopropyltrimethoxy silane derived sol□gel thin film electrode. **2007**, 125, 195-201		40

600	Electrochemical characterization of Prussian Blue nanoparticles. **2007**, 69, 334-337		7
599	Chapter 23 Screen-printed electrochemical (bio)sensors in biomedical, environmental and industrial applications. **2007**, 49, 497-557		15
598	Immobilization of uricase in layer-by-layer films used in amperometric biosensors for uric acid. **2007** , 11, 1489-1495		39
597	Catalytic reduction of hydrogen peroxide at metal hexacyanoferrate composite electrodes and applications in enzymatic analysis. *Electrochimica Acta*, **2007**, 52, 1968-1974	6.7	51
596	Enzyme-functionalized gold nanowires for the fabrication of biosensors. **2007**, 71, 211-6		81
595	The region ion sensitive field effect transistor, a novel bioelectronic nanosensor. *Biosensors and Bioelectronics*, **2007**, 22, 3105-12	11.8	27
594	Rapid electrochemical preparation of a compact and thick Prussian blue film on composite ceramic carbon electrode from single ferricyanide solution in the presence of HAuCl4. *Journal of Electroanalytical Chemistry*, **2007**, 606, 55-62	4.1	23
593	Facile and controllable preparation of glucose biosensor based on Prussian blue nanoparticles hybrid composites. **2008**, 74, 170-5		28
592	Library of electrocatalytic sites in nano-structured domains: electrocatalysis of hydrogen peroxide. *Biosensors and Bioelectronics*, **2008**, 24, 848-54	11.8	27
591	Three-phase electrochemistry with a hanging drop of water-insoluble liquid. *Electrochimica Acta*, **2008**, 53, 5608-5614	6.7	11
590	Multimode optoelectrochemical detection of cysteine based on an electrochromic Prussian blue electrode. **2008**, 130, 418-424		21
589	A simple method to fabricate a Prussian Blue nanoparticles/carbon nanotubes/poly(1,2-diaminobenzene) based glucose biosensor. *Mikrochimica Acta*, **2008**, 160, 261-267	5.8	39
588	Receptors for organochlorine pesticides based on calixarenes. *Mikrochimica Acta*, **2008**, 163, 195-202	5.8	8
587	Amperometric glucose biosensors based on layer-by-layer assembly of chitosan and glucose oxidase on the Prussian blue-modified gold electrode. **2008**, 30, 317-22		17
586	Picomolar Detection of Hydrogen Peroxide at Glassy Carbon Electrode Modified with NAD+ and Single Walled Carbon Nanotubes. **2008**, 20, 1760-1768		18
585	Preparation of GOD/Sol-Gel Silica Film on Prussian Blue Modified Electrode for Glucose Biosensor Application. **2008**, 20, 2642-2648		27
584	Fabrication, characterization, and application of potentiometric immunosensor based on biocompatible and controllable three-dimensional porous chitosan membranes. **2008**, 320, 125-31		42
583	Improvement of NADH detection using Prussian blue modified screen-printed electrodes and different strategies of immobilisation. **2008**, 128, 536-544		32

582	A sensitive nonenzymatic hydrogen peroxide sensor based on DNA□Cu2+ complex electrodeposition onto glassy carbon electrode. **2008**, 133, 381-386		27
581	Electrochemical sensor for hydroperoxides determination based on Prussian blue film modified electrode. **2008**, 133, 588-592		25
580	A new antibody immobilization technique based on organic polymers protected Prussian blue nanoparticles and gold colloidal nanoparticles for amperometric immunosensors. **2008**, 135, 236-244		44
579	Development of an amperometric biosensor for glucose based on electrocatalytic reduction of hydrogen peroxide at the single-walled carbon nanotube/nile blue A nanocomposite modified electrode. *Journal of Electroanalytical Chemistry*, **2008**, 614, 149-156	4.1	50
578	Characterization and electrocatalytic properties of Prussian blue electrochemically deposited on nano-Au/PAMAM dendrimer-modified gold electrode. *Biosensors and Bioelectronics*, **2008**, 23, 1519-26	11.8	50
577	Fabrication of Prussian Blue modified ultramicroelectrode for GOD imaging using scanning electrochemical microscopy. **2008**, 72, 102-6		17
576	Three-phase electrochemistry. Influence of temperature on ion transfer. **2008**, 10, 1074-1077		6
575	Hydrogen peroxide-sensitive amperometric sensor based on manganese dioxide nanoparticles. **2008**, 3, 510-520		12
574	Kinetic study of the decomposition of Prussian Blue electrocatalytic layer during cathodic reduction of hydrogen peroxide. **2008**, 6, 175-179		8
573	Sensors and Biosensors for the Determination of Small Molecule Biological Toxins. **2008**, 8, 6045-6054		46
572	Pressure-induced magnetic switching and linkage isomerism in K0.4Fe4[Cr(CN)6]2.8 x 16 H2O: X-ray absorption and magnetic circular dichroism studies. **2008**, 130, 15519-32		113
571	Clinical evaluation of bionime rightest GM310 biosensors with a simplified electrode fabrication for alternative-site blood glucose tests. **2008**, 54, 1689-95		10
570	Development of a Novel Silver Nanoparticles-Enhanced Screen-Printed Amperometric Glucose Biosensor. **2008**, 41, 1158-1172		14
569	On the Template Synthesis of Nanostructured Inorganic/Organic Hybrid Films.. **2008**, 155, K140		14
568	An amperometric glucose biosensor based on titania sol-gel/Prussian Blue composite film. **2008**, 24, 1425-30		10
567	Nanotechnology: A Tool for Improved Performance on Electrochemical Screen-Printed (Bio)Sensors. **2009**, 2009, 1-13		34
566	Assembly and electroanalytical performance of Prussian blue/polypyrrole composite nanoparticles synthesized by the reverse micelle method. **2009**, 10, 025001		21
565	CHARACTERIZATION OF PRUSSIAN BLUE NANOPARTICLES PREPARED BY REVERSE MICELLE AND ELECTROCHEMICAL STUDY OF THEIR ASSEMBLY. **2009**, 16, 539-544		1

564	A Simple and Innovative Route to Prepare a Novel Carbon Nanotube/Prussian Blue Electrode and its Utilization as a Highly Sensitive H2O2 Amperometric Sensor. **2009**, 19, 3980-3986		144
563	A Chloro-Bridged Linear Chain Imine-Copper(II) Complex and Its Application as an Enzyme-Free Amperometric Biosensor for Hydrogen Peroxide. **2009**, 2009, 2219-2228		19
562	Response Behavior of Amperometric Glucose Biosensors Based on Different Carbon Substrate Transducers Coated with Enzyme-Active Layer: A Comparative Study. **2009**, 21, 2535-2541		9
561	An Amperometric Immunosensor Based on Layer-by-Layer Assembly of L-Cysteine and Nanosized Prussian Blue on Gold Electrode for Determination of Human Chorionic Gonadotrophin. **2009**, 21, 707-714		9
560	State of the Art in the Field of Electronic and Bioelectronic Tongues Towards the Analysis of Wines. **2009**, 21, 2509-2520		94
559	Enhancement of the Electrochemical Performance of Prussian Blue Modified Electrode via Ionic Liquid Treatment. **2009**, 21, 1835-1841		11
558	Peroxidase-Like Layered Double Hydroxide Nanoflakes for Electrocatalytic Reduction of H2O2. **2009**, 21, 2125-2132		29
557	Prussian Blue Modified Carbon Ionic Liquid Electrode: Electrochemical Characterization and Its Application for Hydrogen Peroxide and Glucose Measurements. **2009**, 21, 1862-1868		25
556	Self-Assembled Prussian Blue Nanoparticles Based Electrochemical Sensor for High Sensitive Determination of H2O2 in Acidic Media. **2009**, 21, 2355-2362		52
555	Electrosynthesis, characterization and electrocatalytic properties of Prussian Blue (PB) nanoparticles disposed on a template. **2009**, 13, 1303-1308		7
554	Hydrogen peroxide biosensor based on a polyion complex membrane containing peroxidase and toluidine blue, and its application to the fabrication of a glucose sensor. *Mikrochimica Acta*, **2009**, 164, 173-176	5.8	6
553	Flow injection amperometric determination of hydrogen peroxide in household commercial products with a ruthenium oxide hexacyanoferrate modified electrode. *Mikrochimica Acta*, **2009**, 166, 277-281	5.8	8
552	Sensor for traces of hydrogen peroxide using an electrode modified by multiwalled carbon nanotubes, a gold-chitosan colloid, and Prussian blue. *Mikrochimica Acta*, **2009**, 167, 167-172	5.8	24
551	Preparation of Prussian blue@Pt nanoparticles/carbon nanotubes composite material for efficient determination of H2O2. **2009**, 143, 373-380		54
550	Immobilization of acetylcholineesterase-choline oxidase on a gold-platinum bimetallic nanoparticles modified glassy carbon electrode for the sensitive detection of organophosphate pesticides, carbamates and nerve agents. *Biosensors and Bioelectronics*, **2009**, 25, 832-8	11.8	136
549	Development of an amperometric micro-biodetector for pesticide monitoring and detection. **2009**, 40, 113-122		16
548	Prussian Blue electrodeposition within an oriented mesoporous silica film: preliminary observations. **2009**, 44, 6601-6607		42
547	On-line electrochemical measurements of cerebral hypoxanthine of freely moving rats. **2009**, 52, 1677-1682		3

546	Monitoring of endocrine disruptors by capillary electrophoresis amperometric detector. **2009**, 86, 1407-1410		16
545	Photoelectrochemical glucose biosensor incorporating CdS nanoparticles. **2009**, 7, 347-352		40
544	Amperometric sensor for hydrogen peroxide based on poly(aniline-co-p-aminophenol). **2009**, 11, 450-453		41
543	Application of electrosynthesized poly(aniline-co-p-aminophenol) as a catechol sensor. *Electrochimica Acta*, **2009**, 54, 2575-2580	6.7	27
542	Visualization of electrocatalytic activity of microstructured metal hexacyanoferrates by means of redox competition mode of scanning electrochemical microscopy (RC-SECM). *Electrochimica Acta*, **2009**, 54, 3753-3758	6.7	36
541	Amperometric glucose biosensor with high sensitivity based on self-assembled Prussian Blue modified electrode. *Electrochimica Acta*, **2009**, 54, 7490-7494	6.7	30
540	Electrocatalytic oxidation of thiocholine at chemically modified cobalt hexacyanoferrate screen-printed electrodes. *Journal of Electroanalytical Chemistry*, **2009**, 626, 66-74	4.1	55
539	Morphology syntheses and properties of well-defined Prussian Blue nanocrystals by a facile solution approach. **2009**, 329, 188-95		64
538	Synthesis and characterization of Prussian blue@platinum nanoparticle hybrids from a mixture solution of platinum nanocatalyst and ferric ferricyanide. **2009**, 338, 319-24		12
537	High-dimensional mixed-valence copper cyanide complexes: Syntheses, structural characterizations and magnetism. **2009**, 28, 1308-1314		28
536	Hydrogen peroxide detection nanosensor array for biosensor development. **2009**, 137, 56-61		37
535	A mixed-spin Fe(II) tetranuclear cluster: Preparation, structure and magnetic property. **2009**, 12, 325-327		13
534	Construction, assembling and application of a trehalase-GOD enzyme electrode system. *Biosensors and Bioelectronics*, **2009**, 24, 1382-8	11.8	11
533	Development of disposable lipid biosensor for the determination of total cholesterol. *Biosensors and Bioelectronics*, **2009**, 24, 1679-84	11.8	39
532	Glucose sensing electrodes based on a poly(3,4-ethylenedioxythiophene)/Prussian blue bilayer and multi-walled carbon nanotubes. *Biosensors and Bioelectronics*, **2009**, 24, 2015-20	11.8	83
531	Electropolymerization of preoxidized catecholamines on Prussian blue matrix to immobilize glucose oxidase for sensitive amperometric biosensing. *Biosensors and Bioelectronics*, **2009**, 24, 2726-9	11.8	25
530	Rotating disk electrode study of electrocatalytic oxidation of ascorbate at Prussian blue modified electrode. **2009**, 7, 739-744		3
529	Electrocatalytic microelectrode detectors for choline and acetylcholine following separation by capillary electrophoresis. **2009**, 81, 6996-7002		15

528	Pt Nanoparticles Inserting in Carbon Nanotube Arrays: Nanocomposites for Glucose Biosensors. **2009**, 113, 13482-13487		158
527	An Amperometric Oxalate Biosensor Based on Sorghum Leaf Oxalate Oxidase Immobilized on Carbon Paste Electrode. **2009**, 43, 151-160		3
526	Interaction of D-amino acid oxidase with carbon nanotubes: implications in the design of biosensors. **2009**, 81, 1016-22		51
525	The optimization of the electrochemical preparation of Pedot-Prussian blue hybrid electrode material and application in electrochemical sensors. **2010**, 75, 835-851		8
524	Amperometric Biosensors in Food Processing, Safety, and Quality Control. **2010**, 1-51		
523	Nano-molar level hydrogen peroxide detection by horseradish peroxidase adsorbed cup-stacked carbon nanotube electrodes and applications to L-glutamate detection. **2010**, 26, 675-9		8
522	Self-assembled 3D heterometallic Cu(II)/Fe(II) coordination polymers with octahedral net skeletons: structural features, molecular magnetism, thermal and oxidation catalytic properties. **2010**, 49, 11096-105		70
521	Improved performances of electrodes based on Cu2+-loaded copper hexacyanoferrate for hydrogen peroxide detection. *Electrochimica Acta*, **2010**, 55, 5036-5039	6.7	34
520	Microbiosensors for glucose based on Prussian Blue modified carbon fiber electrodes for in vivo monitoring in the central nervous system. *Biosensors and Bioelectronics*, **2010**, 26, 748-53	11.8	33
519	Palladium nanostructures from galvanic displacement as hydrogen peroxide sensor. **2010**, 147, 681-686		38
518	Electrocatalytic reduction of hydrogen peroxide at Prussian blue modified electrodes: a RDE study. **2010**, 14, 149-155		23
517	Influence of copper hexacyanoferrate film thickness on the electrochemical properties of self-assembled 3-mercaptopropyl gold electrode and application as a hydrazine sensor. **2010**, 14, 1383-1390		7
516	Single step modification of copper electrode for the highly sensitive and selective non-enzymatic determination of glucose. *Mikrochimica Acta*, **2010**, 169, 49-55	5.8	53
515	Sensing L-cysteine in urine using a pencil graphite electrode modified with a copper hexacyanoferrate nanostructure. *Mikrochimica Acta*, **2010**, 169, 283-288	5.8	47
514	A disposable biosensor for the determination of alpha-amylase in human saliva. *Mikrochimica Acta*, **2010**, 170, 243-249	5.8	31
513	Copper oxide nanoparticles and ionic liquid modified carbon electrode for the non-enzymatic electrochemical sensing of hydrogen peroxide. *Mikrochimica Acta*, **2010**, 171, 117-123	5.8	78
512	Non-enzymatic hydrogen peroxide sensor using an electrode modified with iron pentacyanonitrosylferrate nanoparticles. *Mikrochimica Acta*, **2010**, 171, 257-265	5.8	21
511	Electrochemical recognition for sugars on the chitosan-poly(diallyldimethylammonium chloride)-nano-Prussian blue/nano-Au/4-mercaptophenylboronic acid modified glassy carbon electrode. **2010**, 33, 971-8		13

510	A Prussian blue-based amperometric sensor for the determination of hydrogen peroxide residues in milk. **2010**, 16, 523-527		26
509	Immobilization of hemoglobin on platinum nanoparticles-modified glassy carbon electrode for H2O2 sensing. **2010**, 15, 160-164		3
508	Electrocatalytic Oxidation of Hydrogen Peroxide on Poly(m-toluidine)-Nickel Modified Carbon Paste Electrode in Alkaline Medium. **2010**, 22, n/a-n/a		
507	Stability Improvement of Prussian Blue by a Protective Cellulose Acetate Membrane for Hydrogen Peroxide Sensing in Neutral Media. **2010**, 22, 1906-1910		17
506	Electrocatalytic Performances of Pure and Mixed Hexacyanoferrates of Cu and Pd for the Reduction of Hydrogen Peroxide. **2010**, 22, 1695-1701		16
505	Prussian Blue-Modified Titanate Nanotubes: A Novel Nanostructured Catalyst for Electrochemical Reduction of Hydrogen Peroxide. **2010**, 22, 2202-2210		16
504	A Signal-Amplified Electrochemical Immunosensor Based on Prussian Blue and Pt Hollow Nanospheres as Matrix. **2010**, 22, 2577-2586		3
503	The Signal-Enhanced Label-Free Immunosensor Based on Assembly of Prussian Blue-SiO2 Nanocomposite for Amperometric Measurement of Neuron-Specific Enolase. **2010**, 22, 2569-2575		12
502	Three-Electrode-Integrated Sensor into a Micropipette Tip. **2010**, 22, 2167-2171		11
501	Development of microelectrode arrays modified with inorganic□rganic composite materials for dopamine electroanalysis. *Journal of Electroanalytical Chemistry*, **2010**, 639, 147-153	4.1	32
500	Fabrication of graphene/prussian blue composite nanosheets and their electrocatalytic reduction of H2O2. *Electrochimica Acta*, **2010**, 55, 7230-7234	6.7	146
499	Dual amplification strategy for the fabrication of highly sensitive amperometric immunosensor based on nanocomposite functionalized interface. **2010**, 145, 817-825		20
498	Electrochemical behavior and application of Prussian blue nanoparticle modified graphite electrode. **2010**, 147, 270-276		89
497	Multifunctional nanoparticles: analytical prospects. *Analytica Chimica Acta*, **2010**, 666, 1-22	6.6	215
496	Flow injection spectrophotometric determination of vitamin E in pharmaceuticals, milk powder and blood serum using potassium ferricyanide□e(III) detection system. **2010**, 21, 712-715		14
495	Graphene oxide sheet-prussian blue nanocomposites: green synthesis and their extraordinary electrochemical properties. **2010**, 81, 508-12		60
494	A nonenzymatic cholesterol sensor constructed by using porous tubular silver nanoparticles. *Biosensors and Bioelectronics*, **2010**, 25, 2356-60	11.8	64
493	Structure effects of self-assembled Prussian blue confined in highly organized mesoporous TiO2 on the electrocatalytic properties towards H2O2 detection. *Biosensors and Bioelectronics*, **2010**, 26, 890-3	11.8	21

492	Prussian Blue-modified microelectrodes for selective transduction in enzyme-based amperometric microbiosensors for in vivo neurochemical monitoring. *Electrochimica Acta*, **2010**, 55, 6476-6484	6.7	36
491	Detection of Biogenic Amines in Human Saliva Using a Screen-Printed Biosensor. **2010**, 43, 1310-1316		26
490	An evolution based biosensor receptor DNA sequence generation algorithm. **2010**, 10, 330-41		2
489	Improved Sensing in Physiological Buffers by Controlling the Nanostructure of Prussian Blue Films. **2010**, 114, 14786-14793		30
488	27 Heme Protein-Based Electrochemical Biosensors. **2010**, 203-298		2
487	Electrically Triggered Release of a Small Molecule Drug from a Polyelectrolyte Multilayer Coating. **2010**, 22, 6416-6425		102
486	Oxidation of a platinum microwire surface applied in glucose detection. **2010**, 1, 025013		5
485	Prussian blue coordination polymer nanobox synthesis using miniemulsion periphery polymerization (MEPP). **2010**, 46, 4574-6		57
484	Potential of a simple lab-on-a-tube for point-of-care measurements of multiple analytes. *Lab on A Chip*, **2010**, 10, 1476-9	7.2	17
483	One-step electrochemical deposition of Prussian Blue–multiwalled carbon nanotube nanocomposite thin-film: preparation, characterization and evaluation for H2O2 sensing. **2010**, 20, 1532-1537		70
482	Hierarchical self-assembly of double structured Prussian blue film for highly sensitive biosensors. **2011**, 21, 11968		10
481	Facile patterning of reduced graphene oxide film into microelectrode array for highly sensitive sensing. **2011**, 83, 6426-30		60
480	A DNA biosensor based on graphene paste electrode modified with Prussian blue and chitosan. **2011**, 136, 1946-51		67
479	In situ electrochemical preparation and characterization of PEDOT–Prussian blue composite materials. **2011**, 161, 384-390		20
478	Functionalization of graphene with electrodeposited Prussian blue towards amperometric sensing application. *Talanta*, **2011**, 85, 76-81	6.2	72
477	New directions in screen printed electroanalytical sensors: an overview of recent developments. **2011**, 136, 1067-76		342
476	A Strategy for Constructing Ordered Multilayer Composite Films Based on Alternate Electrodeposition and Self-Assembly. **2011**, 159, J17-J22		2
475	Morphological characterization and analytical application of poly(3,4-ethylenedioxythiophene)–Prussian blue composite films electrodeposited in situ on platinum electrode chips. **2011**, 519, 7754-7762		18

474	Glucose biosensor based on the highly efficient immobilization of glucose oxidase on Prussian blue-gold nanocomposite films. **2011**, 69, 1-7		26
473	Screen-printed carbon electrode for choline based on MnO2 nanoparticles and choline oxidase/polyelectrolyte layers. **2011**, 159, 261-270		34
472	Direct electron transfer of PQQ-glucose dehydrogenase at modified carbon nanotubes electrodes. **2011**, 13, 1240-1243		32
471	Effect of temperature-controlled poly(diallyldimethylammonium chloride) on morphology of self-assembled Prussian Blue electrode and its high detection sensitivity of hydrogen peroxide. *Electrochimica Acta*, **2011**, 56, 8163-8167	6.7	9
470	A uric acid sensor based on electrodeposition of nickel hexacyanoferrate nanoparticles on an electrode modified with multi-walled carbon nanotubes. *Mikrochimica Acta*, **2011**, 173, 27-32	5.8	30
469	Novel glucose biosensor based on a glassy carbon electrode modified with hollow gold nanoparticles and glucose oxidase. *Mikrochimica Acta*, **2011**, 173, 143-148	5.8	3
468	Voltammetric study of acetazolamide and its determination in human serum and urine using carbon paste electrode modified by gold nanoparticle. *Journal of Electroanalytical Chemistry*, **2011**, 660, 163-168	4.1	12
467	Sensitive electrochemical immunoassay of carcinoembryonic antigen with signal dual-amplification using glucose oxidase and an artificial catalase. *Analytica Chimica Acta*, **2011**, 697, 16-22	6.6	48
466	Prussian Blue acts as a mediator in a reagentless cytokinin biosensor. *Analytica Chimica Acta*, **2011**, 701, 218-23	6.6	10
465	Hexamethylenetetramine: An old new building block for design of coordination polymers. *Coordination Chemistry Reviews*, **2011**, 255, 1603-1622	23.2	135
464	Hydrogen peroxide detection using a polypyrrole/Prussian blue nanowire modified electrode. **2011** , 19, 673-678		14
463	Real-time monitoring of hydrogen peroxide consumption in an oxidation reaction in molecular solvent and ionic liquids by a hydrogen peroxide electrochemical sensor. **2011**, 4, 792-6		4
462	Solid-State Redox Solutions: Microfabrication and Electrochemistry. **2011**, 123, 8838-8841		5
461	Solid-state redox solutions: microfabrication and electrochemistry. **2011**, 50, 8679-82		22
460	Hydrogen peroxide automatic dosing based on dissolved oxygen concentration during solar photo-Fenton. **2011**, 161, 247-254		30
459	Low-potential sensitive H2O2 detection based on composite micro tubular Te adsorbed on platinum electrode. *Biosensors and Bioelectronics*, **2011**, 26, 3562-9	11.8	43
458	A glucose biosensor based on chitosan-Prussian blue-multiwall carbon nanotubes-hollow PtCo nanochains formed by one-step electrodeposition. **2011**, 84, 454-61		42
457	An electrocatalytic transducer for L-cysteine detection based on cobalt hexacyanoferrate nanoparticles with a core-shell structure. **2011**, 409, 74-80		72

456	Electrochemical sensing based on graphene oxide/Prussian blue hybrid film modified electrode. *Electrochimica Acta*, **2011**, 56, 1239-1245	6.7	140
455	Organic–inorganic composites consisted of poly(3,4-ethylenedioxythiophene) and Prussian Blue analogues. *Electrochimica Acta*, **2011**, 56, 3626-3632	6.7	27
454	A nano-structured Ni(II)–ACDA modified gold nanoparticle self-assembled electrode for electrocatalytic oxidation and determination of tryptophan. *Electrochimica Acta*, **2011**, 56, 4022-4030	6.7	35
453	Photoinducedly electrochemical preparation of Prussian blue film and electrochemical modification of the film with cetyltrimethylammonium cation. *Electrochimica Acta*, **2011**, 56, 4007-4014	6.7	12
452	A novel biosensor based on acetylecholinesterase/prussian blue–chitosan modified electrode for detection of carbaryl pesticides. *Electrochimica Acta*, **2011**, 56, 7267-7271	6.7	49
451	Micro/nanostructured carbon composite modified with a hybrid redox mediator and enzymes as a glucose biosensor. **2011**, 49, 3039-3047		22
450	Cyclic voltammetry studies of TiO2 nanotube arrays electrode: Conductivity and reactivity in the presence of H+ and aqueous redox systems. *Electrochimica Acta*, **2011**, 56, 6498-6502	6.7	23
449	Preparation of Amperometric Glucose Biosensor Based on 4-Mercaptobenzoic Acid. **2011**, 14, 2-6		7
448	An amperometric sensor based on Prussian blue and poly(o-phenylenediamine) modified glassy carbon electrode for the determination of hydrogen peroxide in beverages. **2011**, 126, 2005-9		45
447	Label-free electrochemical detection of cancer marker based on graphene–cobalt hexacyanoferrate nanocomposite. *Journal of Electroanalytical Chemistry*, **2011**, 655, 50-55	4.1	54
446	Electrocatalytic reduction of hydrogen peroxide at Prussian blue modified electrode: An in situ Raman spectroelectrochemical study. *Journal of Electroanalytical Chemistry*, **2011**, 660, 140-146	4.1	39
445	Electrocatalytic reduction of hydrogen peroxide and its determination in antiseptic and soft-glass cleaning solutions at phosphotungstate-doped-glutaraldehyde-cross-linked poly-l-lysine film electrodes. **2011**, 151, 377-383		13
444	Amperometric glucose microbiosensor based on a Prussian Blue modified carbon fiber electrode for physiological applications. **2011**, 152, 137-143		28
443	Direct electrochemistry and electrocatalytic behavior of hemoglobin entrapped in chitosan/gold colloid/3-aminopropyl triethylene silane/Prussian blue composite film. **2011**, 519, 3925-3930		14
442	Electrochemical Deposition of Carambolalike Ytterbium Hexacyanoferrate(II) and its Application in Electrocatalysis. **2011**, 239-242, 1040-1044		2
441	New Developments in Electrochemical Sensors Based on Poly(3,4-ethylenedioxythiophene)-Modified Electrodes. **2011**, 2011, 1-8		2
440	Electrochemical Behavior of Hydrogen Peroxide at Nanocomposite of Prussian Blue with Palladium of Variable Nanogeometery Modified Electrode. **2012**, 159, G128-G136		8
439	Highly sensitive microelectrode for glucose sensing via inkjet printing technology. **2012**,		1

438	Prussian Blue Modified Solid Carbon Nanorod Whisker Paste Composite Electrodes: Evaluation towards the Electroanalytical Sensing ofH2O2. **2012**, 2012, 1-7		1
437	Inkjet printed Prussian blue films for hydrogen peroxide detection. **2012**, 28, 135-40		15
436	Graphenes in chemical sensors and biosensors. **2012**, 39, 87-113		170
435	Transparent films from carbon nanotubes/Prussian blue nanocomposites: preparation, characterization, and application as electrochemical sensors. **2012**, 22, 1824-1833		59
434	Recent advances in electrochemical sensing for hydrogen peroxide: a review. **2012**, 137, 49-58		720
433	Surface Modification Using Prussian Blue□old (I)□alladium Nanocomposite: Towards Bioelectrocatalytic Probing of Hydrogen Peroxide. **2012**, 2, 127-134		4
432	Single layer Prussian blue grid as a versatile enzyme trap for low-potential biosensors. **2012**, 22, 14874		18
431	3D porous and redox-active prussian blue-in-graphene aerogels for highly efficient electrochemical detection of H2O2. **2012**, 22, 22090		128
430	Synthesis and characterization of Fe(II)-coordinated PS-b-P[NIPAM-co-(VBC-Fe-DMAP)] block copolymers. **2012**, 30, 674-681		9
429	Employing the metabolic "branch point effect" to generate an all-or-none, digital-like response in enzymatic outputs and enzyme-based sensors. **2012**, 84, 1076-82		38
428	Glucose biosensor based on three dimensional ordered macroporous self-doped polyaniline/Prussian blue bicomponent film. *Analytica Chimica Acta*, **2012**, 723, 94-100	6.6	38
427	A nano-structured Ni(II)-chelidamic acid modified gold nanoparticle self-assembled electrode for electrocatalytic oxidation and determination of methanol. **2012**, 32, 1955-1962		9
426	Enhancement of stability of Prussian blue thin films by electrochemical insertion of Ni2+ ions: A stable electrocatalytic sensing of H2O2 in mild alkaline media. *Electrochimica Acta*, **2012**, 78, 452-458	6.7	14
425	One-pot synthesis of poly (3,4-ethylenedioxythiophene)-Pt nanoparticle composite and its application to electrochemical H2O2 sensor. **2012**, 7, 319		24
424	Dynamic Electrochemistry Transduction Methods. **2012**, 258-313		
423	Compact, power-efficient architectures using microvalves and microsensors, for intrathecal, insulin, and other drug delivery systems. **2012**, 64, 1639-49		19
422	A high-sensitive and fast-fabricated glucose biosensor based on Prussian blue/topological insulator Bi2Se3 hybrid film. *Biosensors and Bioelectronics*, **2012**, 38, 289-94	11.8	30
421	Electrochemical preparation of cobalt hexacyanoferrate nanoparticles under the synergic action of EDTA and overoxidized polypyrrole film. *Electrochimica Acta*, **2012**, 85, 650-658	6.7	7

420	A membraneless hydrogen peroxide fuel cell using Prussian Blue as cathode material. **2012**, 5, 8225		196
419	Transition metal ion-substituted polyoxometalates entrapped in polypyrrole as an electrochemical sensor for hydrogen peroxide. **2012**, 137, 624-30		40
418	Size- and shape-controlled synthesis of Prussian Blue nanoparticles by a polyvinylpyrrolidone-assisted crystallization process. **2012**, 14, 3387		115
417	Amperometric Enzyme Sensors. **2012**, 314-331		
416	Hydrogen peroxide sensor based on a stainless steel electrode coated with multi-walled carbon nanotubes modified with magnetite nanoparticles. *Mikrochimica Acta*, **2012**, 179, 329-335	5.8	6
415	Polypyrrole microfibres synthesized with Quillaja Saponin for sensing of catechol. **2012**, 173, 40-51		16
414	3-Glycidoxypropyltrimethoxysilane mediated in situ synthesis of noble metal nanoparticles: application to hydrogen peroxide sensing. **2012**, 137, 376-85		42
413	Spontaneous Deposition of Prussian Blue on Multi-Walled Carbon Nanotubes and the Application in an Amperometric Biosensor. *Nanomaterials*, **2012**, 2, 428-444	5.4	22
412	Electrochromic properties of a metallo-supramolecular polymer derived from tetra(2-pyridyl-1,4-pyrazine) ligands integrated in thin multilayer films. **2012**, 28, 3332-7		7
411	Structure of reverse microemulsion-templated metal hexacyanoferrate nanoparticles. **2012**, 7, 83		20
410	Poly(Neutral Red)/Cholesterol Oxidase Modified Carbon Film Electrode for Cholesterol Biosensing. **2012**, 24, 1547-1553		10
409	Surfactant-promoted Prussian Blue-modified carbon electrodes: enhancement of electro-deposition step, stabilization, electrochemical properties and application to lactate microbiosensors for the neurosciences. **2012**, 92, 180-9		36
408	Nanocomposite of Prussian blue based sensor for l-cysteine: Synergetic effect of nanostructured gold and palladium on electrocatalysis. *Electrochimica Acta*, **2012**, 74, 23-31	6.7	43
407	Layer-by-layer self-assembly and electrochemistry: applications in biosensing and bioelectronics. *Biosensors and Bioelectronics*, **2012**, 31, 1-10	11.8	178
406	A novel immunosensor based on an alternate strategy of electrodeposition and self-assembly. *Biosensors and Bioelectronics*, **2012**, 35, 277-283	11.8	31
405	Novel organic□inorganic hybrid material based on tris(2,2?-bipyridyl)dichlororuthenium(II) hexahydrate and Dawson-type tungstophosphate K7[H4PW18O62]□18H2O as a bifuctional hydrogen peroxide electrocatalyst for biosensors. **2012**, 161, 520-527		20
404	Effects of self-assembled monolayers on amperometric glucose biosensors based on an organic□inorganic hybrid system. **2012**, 168, 249-255		14
403	Nano-Prussian blue analogue/PEDOT:PSS composites for electrochromic windows. **2012**, 104, 64-74		33

402	One-step synthesis and self-organization of polypyrrole ultrathin films inlayed with Prussian blue nanoparticles induced by a drop of toluene solution on water surface. **2012**, 520, 2026-2031		6
401	Rotating disk electrode study of Prussian blue- and glucose oxidase-based bioelectrode. *Journal of Electroanalytical Chemistry*, **2012**, 672, 12-16	4.1	4
400	Improvement and characterization of surfactant-modified Prussian blue screen-printed carbon electrodes for selective H2O2 detection at low applied potentials. *Journal of Electroanalytical Chemistry*, **2012**, 674, 48-56	4.1	43
399	Fabrication of multiwalled carbon nanotubes/polypyrrole/Prussian blue ternary composite nanofibers and their application for enzymeless hydrogen peroxide detection. **2012**, 47, 4326-4331		21
398	Thermal decomposition of [Co(en)3][Fe(CN)6]□2H2O: Topotactic dehydration process, valence and spin exchange mechanism elucidation. **2013**, 7, 28		14
397	Electrochemical sensing of dopamine and pyrogallol on mixed analogue of Prussian blue nanoparticles modified electrodes□Role of transition metal on the electrocatalysis and peroxidase mimetic activity. *Electrochimica Acta*, **2013**, 109, 536-545	6.7	31
396	Carbon nanotube/Prussian blue nanocomposite film as a new electrode material for environmental treatment of water samples. **2013**, 3, 5393		16
395	Preparation of hybrid cobalt□iron hexacyanoferrate nanoparticles modified multi-walled carbon nanotubes composite electrode and its application. *Journal of Electroanalytical Chemistry*, **2013**, 700, 47-53	4.1	22
394	Polyaniline/Prussian-Blue-Based Amperometric Biosensor for Detection of Uric Acid. *ChemPlusChem*, **2013**, 78, 166-174	2.8	27
393	Pure copper vs. mixed copper and palladium hexacyanoferrates for glucose biosensing applications. **2013**, 17, 2805-2814		7
392	Use of hemoglobin as alternative to peroxidases in cholesterol amperometric biosensors. **2013**, 178, 101-106		16
391	Controlling hydrophilicity and electrocatalytic properties of metallic hexacyanoferrates/conducting polymers hybrids for the detection of H2O2. *Electrochimica Acta*, **2013**, 110, 459-464	6.7	5
390	Improvement of the electrochemical and electrocatalytic behavior of Prussian blue/carbon nanotubes composite via ionic liquid treatment. *Electrochimica Acta*, **2013**, 113, 803-809	6.7	26
389	Sensitive enzymatic glucose biosensor fabricated by electrospinning composite nanofibers and electrodepositing Prussian blue film. *Journal of Electroanalytical Chemistry*, **2013**, 694, 1-5	4.1	38
388	Nanoenergy. **2013**,		4
387	Electrochemical Behavior of Polyvinyl Chloride Electrode Modified by Platinum Micro Particles. **2013**, 36, 1002-1008		
386	Biosensor based on ultrasmall MoS2 nanoparticles for electrochemical detection of H2O2 released by cells at the nanomolar level. **2013**, 85, 10289-95		361
385	Carbamate Insecticide Sensing Based on Acetylcholinesterase/Prussian Blue-Multi-Walled Carbon Nanotubes/Screen-Printed Electrodes. **2013**, 46, 803-817		18

384	Synthesis of Prussian Blue Metal Coordination Polymer Nanocubes via Cyanoferrate Monomer Design. **2013**, 23, 111-118		7
383	Fabrication of nanoporous thin-film working electrodes and their biosensing applications. *Biosensors and Bioelectronics*, **2013**, 42, 5-11	11.8	11
382	An amperometric lactate biosensor using H2O2 reduction via a Prussian Blue impregnated poly(ethyleneimine) surface on screen printed carbon electrodes to detect anastomotic leak and sepsis. **2013**, 186, 674-680		17
381	Correlation between pore size and reactivity of macro/mesoporous iron and copper hexacyanoferrates for H2O2 electrocatalysis. *Journal of Electroanalytical Chemistry*, **2013**, 706, 48-54	4.1	8
380	Synthesis, Characterization and Applications of a New Prussian Blue Type Material. **2013**, 25, 1722-1726		5
379	Laccase-Prussian blue film-graphene doped carbon paste modified electrode for carbamate pesticides quantification. *Biosensors and Bioelectronics*, **2013**, 47, 292-9	11.8	46
378	Poly(m-phenylenediamine)–Prussian blue hybrid film formed by one-step electrochemical deposition for glucose biosensor. *Journal of Electroanalytical Chemistry*, **2013**, 689, 96-102	4.1	27
377	Electrochemical biosensor based on reduced graphene oxide modified electrode with Prussian blue and poly(toluidine blue O) coating. *Electrochimica Acta*, **2013**, 89, 454-460	6.7	47
376	Rapid adsorption of neutral red from aqueous solutions by Zn3[Co(CN)6]2.nH2O nanospheres. **2013**, 184, 10-16		17
375	Uricase biosensor based on a screen-printed electrode modified with Prussian blue for detection of uric acid in human blood serum. **2013**, 179, 170-174		66
374	A glucose biosensor based on surface active maghemite nanoparticles. *Biosensors and Bioelectronics*, **2013**, 45, 13-8	11.8	60
373	Screen Printed Electrodes Open New Vistas in Sensing: Application to Medical Diagnosis. **2013**, 83-120		2
372	Electrochemical determination of hydrogen peroxide production by isolated mitochondria: A novel nanocomposite carbon–maghemite nanoparticle electrode. **2013**, 176, 315-322		47
371	DNA and Enzyme-Based Electrochemical Biosensors: Electrochemistry and AFM Surface Characterization. **2013**, 105-125		1
370	Novel synthesis of Prussian blue nanoparticles and nanocomposite sol: Electro-analytical application in hydrogen peroxide sensing. *Electrochimica Acta*, **2013**, 87, 1-8	6.7	37
369	Hexacyanoferrates as Mediators for Microelectrode Biosensors. **2013**, 69-93		
368	Biofuel Cells: Bioelectrochemistry Applied to the Generation of Green Electricity. **2013**, 101-123		1
367	Amperometric biosensor based on Prussian Blue nanoparticle-modified screen-printed electrode for estimation of glucose-6-phosphate. **2013**, 439, 194-200		18

366	Prussian blue @ platinum nanoparticles/graphite felt nanocomposite electrodes: application as hydrogen peroxide sensor. *Biosensors and Bioelectronics*, **2013**, 43, 120-4	11.8	39
365	High sensitivity amperometric and voltammetric determination of persulfate with neutral red/nickel oxide nanowires modified carbon paste electrodes. **2013**, 176, 335-343		24
364	Formation and electroanalytical performance of polyaniline palladium nanocomposites obtained via Layer-by-Layer adsorption and electroless metal deposition. *Electrochimica Acta*, **2013**, 90, 157-165	6.7	9
363	Cyclohexanone and 3-aminopropyltrimethoxysilane mediated controlled synthesis of mixed nickel-iron hexacyanoferrate nanosol for selective sensing of glutathione and hydrogen peroxide. **2013**, 138, 952-9		15
362	Graphene Paper Doped with Chemically Compatible Prussian Blue Nanoparticles as Nanohybrid Electrocatalyst. **2013**, 23, 5297-5306		89
361	Tailored design of multiple nanoarchitectures in metal-cyanide hybrid coordination polymers. **2013**, 135, 384-91		199
360	Recent Progress in Ferrocene-Modified Thin Films and Nanoparticles for Biosensors. **2013**, 6, 5742-5762		54
359	Optimization of hydrogen peroxide detection for a methyl mercaptan biosensor. **2013**, 13, 5028-39		15
358	Untersuchungen von Preußisch Blau-modifizierten Elektroden zur H2O2-Bestimmung. **2013**, 80, 229-235		
357	Detection of Phenolic Compounds by Tyrosinase Modified Clark Type Electrode. *Current Analytical Chemistry*, **2014**, 11, 50-55	1.7	4
356	Prussian Blue Nanoparticles Encapsulated Within Ormosil Film. **2014**, 275-292		
355	Functional Materials in Amperometric Sensing. **2014**,		11
354	Filling carbon nanotubes with Prussian blue nanoparticles of high peroxidase-like catalytic activity for colorimetric chemo- and biosensing. **2014**, 20, 2623-30		56
353	Development of a hydrogen peroxide sensor based on screen-printed electrodes modified with inkjet-printed Prussian blue nanoparticles. **2014**, 14, 14222-34		69
352	Encyclopedia of Applied Electrochemistry. **2014**, 479-485		3
351	Glutamate biosensors based on diamond and graphene platforms. **2014**, 172, 457-72		28
350	Pentacyanoferrate(II) complexes with chitosan. **2014**, 54, 2392-2397		2
349	Ion permeability of polydopamine films revealed using a Prussian blue-based electrochemical method. **2014**, 118, 12781-7		24

348	Bimetallic catalyst of PtIr nanoparticles with high electrocatalytic ability for hydrogen peroxide oxidation. **2014**, 190, 55-60		28
347	Core-shell hybrid nanomaterial based on prussian blue and surface active maghemite nanoparticles as stable electrocatalyst. *Biosensors and Bioelectronics*, **2014**, 52, 159-65	11.8	42
346	Tetrahydrofuran hydroperoxide mediated synthesis of Prussian blue nanoparticles: a study of their electrocatalytic activity and intrinsic peroxidase-like behavior. *Electrochimica Acta*, **2014**, 125, 465-472	6.7	24
345	Signal amplification of dopamine using lanthanum hexacyanoferrate-modified electrode. **2014**, 126, 11-16		6
344	Prussian blue-modified nanoporous gold film electrode for amperometric determination of hydrogen peroxide. **2014**, 98, 64-9		34
343	Electrochemical detection techniques in micro- and nanofluidic devices. **2014**, 17, 781-807		55
342	Optimisation of Glucose Biosensors Based on Sol□Gel Entrapment and Prussian Blue-Modified Screen-Printed Electrodes for Real Food Analysis. **2014**, 7, 1002-1008		20
341	Prussian blue nanoparticles as peroxidase mimetics for sensitive colorimetric detection of hydrogen peroxide and glucose. *Talanta*, **2014**, 120, 362-7	6.2	96
340	Carbon nanotube/Prussian blue paste electrodes: Characterization and study of key parameters for application as sensors for determination of low concentration of hydrogen peroxide. **2014**, 192, 782-790		46
339	Facile and controllable synthesis of Prussian blue nanocubes on TiO2□graphene composite nanosheets for nonenzymatic detection of hydrogen peroxide. **2014**, 6, 9761-9768		13
338	Preparation of poly(N-acetylaniline)□Prussian blue hybrid composite film and its application to hydrogen peroxide sensing. **2014**, 6, 8003-8010		7
337	A novel electroactive hybrid film electrode with proton buffer effect for detecting hydrogen peroxide and uric acid. **2014**, 2, 15035		7
336	Selective patterning of Prussian blue on N-[3-(trimethoxysilyl)propyl]ethylenediamine capped gold nanoparticle film for electrocatalysis of hydrogen peroxide reduction. **2014**, 4, 10975		9
335	Stability improvement of Prussian blue in nonacidic solutions via an electrochemical post-treatment method and the shape evolution of Prussian blue from nanospheres to nanocubes. **2014**, 139, 1127-33		34
334	Rapid electrodeposition of a gold-Prussian blue nanocomposite with ultrahigh electroactivity for dual-potential amperometric biosensing of uric acid. **2014**, 139, 2904-11		16
333	An amperometric biosensor for glucose detection from glucose oxidase immobilized in polyaniline-polyvinylsulfonate-potassium ferricyanide film. **2014**, 42, 284-8		15
332	Prussian blue nanocubes modified graphite electrodes for the electrochemical detection of various analytes with high performance. **2014**, 202, 820-826		13
331	Performance of layer-by-layer deposited low dimensional building blocks of graphene-prussian blue onto graphite screen-printed electrodes as sensors for hydrogen peroxide. *Electrochimica Acta* , **2014**, 146, 477-484	6.7	34

330	Prussian Blue Films Produced by Pentacyanidoferrate(II) and Their Application as Active Electrochemical Layers. **2014**, 2014, 5812-N5819		12
329	Electrochemically deposited thiophene-based polymers as protective agents for Prussian Blue thin films. **2014**, 18, 2731-2742		3
328	Amperometric detection of lactose using Ebgalactosidase immobilized in layer-by-layer films. **2014**, 6, 11657-64		26
327	In situ hybridization of superparamagnetic iron-biomolecule nanoparticles. **2014**, 136, 10478-85		5
326	Prussian Blue and Analogues: Biosensing Applications in Health Care. **2014**, 423-450		2
325	Mechanistic Insights Gained by Monitoring Carbon Nanotube/Prussian Blue Nanocomposite Formation With in Situ Electrochemically Based Techniques. **2014**, 118, 13157-13167		14
324	Nanosensors for the detection of hydrogen peroxide. **2014**, 40, 28-30		50
323	Electrochemical redox processes at cobalt hexacyanoferrate modified electrodes: An in situ Raman spectroelectrochemical study. *Journal of Electroanalytical Chemistry*, **2014**, 719, 60-71	4.1	16
322	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. **2014**, 139, 1632-6		236
321	ZrO2, CaCO3, and Fe4[Fe(CN)6]3 Hollow Nanospheres via Gelatin-stabilized Microemulsions. **2014**, 640, 2669-2676		7
320	Synthesis and Electrochemical Characterization of Nano-Graphite Oxide for Enzyme Free Detection of Cholesterol. **2015**, 1786, 57-63		
319	High-Sensitive Glucose Biosensor Based on Ionic Liquid Doped Polyaniline/Prussian Blue Composite Film. **2015**, 28, 755-761		3
318	The influence of supporting electrolyte on the electrochemical properties of copolymer films based on azulene and 3-thiophene acetic acid. **2015**, 19, 1875-1883		
317	Amperometric detection of hydrazine utilizing synergistic action of prussian blue @ silver nanoparticles / graphite felt modified electrode. *Electrochimica Acta*, **2015**, 171, 121-127	6.7	33
316	pH-Switchable electroactive composite films of carboxylated multi-walled carbon nanotubes and Prussian blue. **2015**, 5, 103184-103188		1
315	Removal of cadmium and zinc ions from industrial wastewater using nanocomposites of PANI/ZnO and PANI/CoHCF: a comparative study. **2015**, 1-20		6
314	Facile Synthesis of Boron-doped Graphene Nanosheets with Hierarchical Microstructure at Atmosphere Pressure for Metal-free Electrochemical Detection of Hydrogen Peroxide. *Electrochimica Acta*, **2015**, 172, 52-60	6.7	52
313	The furofuran-ring selectivity, hydrogen peroxide-production and low Km value are the three elements for highly effective detoxification of aflatoxin oxidase. **2015**, 76, 125-31		38

312	Electrochemical glucose biosensor with improved performance based on the use of glucose oxidase and Prussian Blue incorporated into a thin film of self-polymerized dopamine. **2015**, 210, 513-518		31
311	A novel and improved surfactant-modified Prussian Blue electrode for amperometric detection of free chlorine in water. **2015**, 213, 116-123		34
310	New faces of porous Prussian blue: interfacial assembly of integrated hetero-structures for sensing applications. **2015**, 44, 7997-8018		183
309	In situ deposition of Prussian blue on mesoporous carbon nanosphere for sensitive electrochemical immunoassay. *Biosensors and Bioelectronics*, **2015**, 74, 660-5	11.8	32
308	Stability of Prussian Blue□olypyrrole (PB/PPy) composite films synthesized via one-step redox-reaction procedure. **2015**, 19, 2701-2709		13
307	Cholesterol biosensor based on inkjet-printed Prussian blue nanoparticle-modified screen-printed electrodes. **2015**, 221, 187-190		43
306	Electrodeposition of Prussian blue nanoparticles on polyaniline coated halloysite nanotubes for nonenzymatic hydrogen peroxide sensing. **2015**, 7, 6896-6903		37
305	Prussian Green: A High Rate Capacity Cathode for Potassium Ion Batteries. *Electrochimica Acta*, **2015**, 166, 32-39	6.7	137
304	Application of mathematical models and genetic algorithm to simulate the response characteristics of an ion selective electrode array for system recalibration. **2015**, 144, 24-30		6
303	Nonenzymatic Amperometric Sensors for Hydrogen Peroxide Based on Melanin-Capped Fe3+-, Cu2+-, or Ni2+-Modified Prussian Blue Nanoparticles. **2015**, 15, 4749-4757		6
302	Prussian blue/1-butyl-3-methylimidazolium tetra□oroborate □Graphite felt electrodes for efficient electrocatalytic determination of nitrite. **2015**, 214, 70-75		21
301	Amperometric sensing. A melting pot for material, electrochemical, and analytical sciences. *Electrochimica Acta*, **2015**, 179, 350-363	6.7	20
300	Galactose Oxidase/Prussian Blue Based Biosensors. **2015**, 27, 1341-1344		7
299	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. *Biosensors and Bioelectronics*, **2015**, 74, 1061-8	11.8	339
298	Surface self-assembled hybrid nanocomposites with electroactive nanoparticles and enzymes confined in a polymer matrix for controlled electrocatalysis. **2015**, 3, 8133-8142		3
297	Biocomposite Nanomaterials for Electrochemical Biosensors. **2015**, 1-29		1
296	Rhodium nanoparticle-modified screen-printed graphite electrodes for the determination of hydrogen peroxide in tea extracts in the presence of oxygen. *Talanta*, **2015**, 134, 482-487	6.2	26
295	Amine oxidase-based biosensors for spermine and spermidine determination. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 1131-7	4.4	21

294	Chemically modified multiwall carbon nanotube composite electrodes: An assessment of fabrication strategies. *Electrochimica Acta*, **2015**, 152, 249-254	6.7	13
293	Multifunctional carbon nanotubes/ruthenium purple thin films: preparation, characterization and study of application as sensors and electrochromic materials. **2015**, 44, 5985-95		17
292	New ZnNiHCF Hybrid Electrochemically Formed on Glassy Carbon: Observation of Thin Layer Diffusion during Electro-Oxidation of Hydrazine. **2015**, 119, 296-304		15
291	Electrochemical and Photoelectrochemical Investigation of New Self-Assembled Films Based on Prussian Blue and a Terpyridyl RuII Complex. **2015**, 68, 426		7
290	Application of neural networks with novel independent component analysis methodologies to a Prussian blue modified glassy carbon electrode array. *Talanta*, **2015**, 131, 395-403	6.2	12
289	Hydrodynamic chronoamperometric method for the determination of H using MnO based carbon paste electrodes in groundwater treated by Fenton and Fenton-like reagents for natural organic matter removal. **2015**, 283, 292-301		18
288	Direct electrochemistry of cyt c and hydrogen peroxide biosensing on oleylamine- and citrate-stabilized gold nanostructures. **2015**, 207, 1045-1052		23
287	A novel modified electrode as GC/PPy-AuNPs-rGO/L-Cys/Ag@MUA nanostructure configuration for determination of CCP and CRP antibodies in human blood serum samples. *Biosensors and Bioelectronics*, **2015**, 63, 490-498	11.8	2
286	A Simple and Facile Glucose Biosensor Based on Prussian Blue Modified Graphite String. **2016**, 2016, 1-6		9
285	A Nanostructured Bifunctional platform for Sensing of Glucose Biomarker in Artificial Saliva: Synergy in hybrid Pt/Au surfaces. *Biosensors and Bioelectronics*, **2016**, 86, 369-376	11.8	47
284	Cavitas Sensors: Contact Lens Type Sensors & Mouthguard Sensors. **2016**, 28, 1170-1187		47
283	Food Analysis: A Brief Overview. **2016**, 1-12		
282	Glutamate microbiosensors based on Prussian Blue modified carbon fiber electrodes for neuroscience applications: In-vitro characterization. **2016**, 235, 117-125		29
281	Magnetic Prussian Blue Nanocomposites for Effective Cesium Removal from Aqueous Solution. **2016**, 55, 3852-3860		72
280	Hydrodynamic chronoamperometric determination of hydrogen peroxide using carbon paste electrodes coated by multiwalled carbon nanotubes decorated with MnO2 or Pt particles. **2016**, 233, 83-92		30
279	Tyrosine sensing on phthalic anhydride functionalized chitosan and carbon nanotube film coated glassy carbon electrode. **2016**, 52, 174-180		7
278	Supported binary hybrid nanomaterials and their applications. *Coordination Chemistry Reviews*, **2016**, 320-321, 82-99	23.2	4
277	Adsorption of cesium on different types of activated carbon. **2016**, 310, 301-310		17

276	Development of a rechargeable optical hydrogen peroxide sensor - sensor design and biological application. **2016**, 141, 4332-9		20
275	Removal of rubidium ions by polyaniline nanocomposites modified with cobalt-Prussian blue analogues. **2016**, 4, 2440-2449		35
274	Synthesis of Bidimensional Prussian Blue Analogue Using an Inverted Langmuir-Schaefer Method. **2016**, 32, 9706-13		5
273	Polyethylenimine mediated synthesis of copper-iron and nickel-iron hexacyanoferrate nanoparticles and their electroanalytical applications. *Journal of Electroanalytical Chemistry*, **2016**, 780, 90-102	4.1	6
272	Anisotropic behavior of layer-by-layer films using highly disordered copper hexacyanoferrate(II) nanoparticles. **2016**, 378, 253-258		10
271	Nonlinear-Optical Response of Prussian Blue: Strong Three-Photon Absorption in the IR Region. **2016**, 55, 9501-9504		16
270	Titania nanotubes infiltrated with the conducting polymer PEDOT modified by Prussian blue novel type of organic inorganic heterojunction characterised with enhanced photoactivity. **2016**, 6, 76246-76250		11
269	Step-by-step electrodeposition of a high-performance Prussian blue-gold nanocomposite for H2O2 sensing and glucose biosensing. *Journal of Electroanalytical Chemistry*, **2016**, 778, 66-73	4.1	18
268	Single layer of graphene/Prussian blue nano-grid as the low-potential biosensors with high electrocatalysis. *Electrochimica Acta*, **2016**, 217, 210-217	6.7	13
267	Enhancing energy density of carbon-based supercapacitors using Prussian Blue modified positive electrodes. *Electrochimica Acta*, **2016**, 212, 848-855	6.7	23
266	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. **2016**, 1, 1011-1019		350
265	A resettable and reprogrammable biomolecular keypad lock with dual outputs based on glucose oxidase-Au nanoclusters-Prussian blue nanocomposite films on an electrode surface. **2016**, 8, 20027-20036		18
264	Prussian Blue Degradation during Hydrogen Peroxide Reduction: A Scanning Electrochemical Microscopy Study on the Role of the Hydroxide Ion and Hydroxyl Radical. **2016**, 3, 1178-1184		13
263	Na2Co3[Fe(CN)6]2: A promising cathode material for lithium-ion and sodium-ion batteries. **2016**, 685, 344-349		14
262	Development of a disposable biosensor for lactate monitoring in saliva. **2016**, 237, 8-15		36
261	pH-Dependent response of a hydrogen peroxide sensing probe. **2016**, 237, 113-119		5
260	Electrochemical behavior of dopamine on La@C82-COOH/C60-COOH/C70-COOH modified electrodes. **2016**, 171, 131-139		2
259	Carbon nanotube/Prussian blue thin films as cathodes for flexible, transparent and ITO-free potassium secondary battery. **2016**, 478, 107-16		54

258	Design of a Prussian Blue Analogue/Carbon Nanotube Thin-Film Nanocomposite: Tailored Precursor Preparation, Synthesis, Characterization, and Application. **2016**, 22, 6643-53		21
257	Facile assembly of polypyrrole/Prussian blue aerogels for hydrogen peroxide reduction. **2016**, 213, 73-77		22
256	Amperometric biosensor based on prussian blue and nafion modified screen-printed electrode for screening of potential xanthine oxidase inhibitors from medicinal plants. **2016**, 85, 57-63		21
255	A disposable electrochemical sensor for simultaneous detection of sulfamethoxazole and trimethoprim antibiotics in urine based on multiwalled nanotubes decorated with Prussian blue nanocubes modified screen-printed electrode. *Electrochimica Acta*, **2016**, 191, 1010-1017	6.7	54
254	Catalytic nanocrystalline coordination polymers as an efficient peroxidase mimic for labeling and optical immunoassays. *Mikrochimica Acta*, **2016**, 183, 651-658	5.8	32
253	Single-Nanoparticle Resolved Biomimetic Long-Range Electron Transfer and Electrocatalysis of Mixed-Valence Nanoparticles. **2016**, 6, 2728-2738		15
252	Electroactive ion exchange materials: current status in synthesis, applications and future prospects. **2016**, 4, 6236-6258		65
251	Current control by electrode coatings formed by polymerization of dopamine at prussian blue-modified electrodes. **2016**, 141, 2067-71		4
250	Recent advances in salivary cancer diagnostics enabled by biosensors and bioelectronics. *Biosensors and Bioelectronics*, **2016**, 81, 181-197	11.8	42
249	Replacing the wet chemical activation with an atmospheric pressure technique in electroless deposition of Prussian blue. **2016**, 289, 186-193		6
248	Screen-printed biosensor chips with Prussian blue nanocubes for the detection of physiological analytes. **2016**, 228, 679-687		54
247	Hybrid architecture of rhodium oxide nanofibers and ruthenium oxide nanowires for electrocatalysts. **2016**, 663, 574-580		12
246	Tetrahydrofuran and hydrogen peroxide mediated conversion of potassium hexacyanoferrate into Prussian blue nanoparticles: Application to hydrogen peroxide sensing. *Electrochimica Acta*, **2016**, 190, 758-765	6.7	23
245	Catalytic effect of potassium in Na(1-x)KxCdPb3(PO4)3 to detect mercury (II) in fish and seawater using a carbon paste electrode. *Talanta*, **2016**, 149, 158-167	6.2	15
244	Application of Prussian Blue electrodes for amperometric detection of free chlorine in water samples using Flow Injection Analysis. *Talanta*, **2016**, 146, 410-6	6.2	36
243	Monoamine oxidase B layer-by-layer film fabrication and characterization toward dopamine detection. **2016**, 58, 310-5		19
242	Graphene-based screen-printed electrochemical (bio)sensors and their applications: Efforts and criticisms. *Biosensors and Bioelectronics*, **2017**, 89, 107-122	11.8	129
241	A paper-based nanomodified electrochemical biosensor for ethanol detection in beers. *Analytica Chimica Acta*, **2017**, 960, 123-130	6.6	114

240	A nickel(II) coordination polymer derived from a tridentate Schiff base ligand with N,O-donor groups: synthesis, crystal structure, spectroscopy, electrochemical behavior and electrocatalytic activity for H2O2 electroreduction in alkaline medium. **2017**, 42, 301-310		5
239	Enzymeless voltammetric hydrogen peroxide sensor based on the use of PEDOT doped with Prussian Blue nanoparticles. *Mikrochimica Acta*, **2017**, 184, 483-489	5.8	20
238	Soft electroactive particles and their interaction with lipid membranes. **2017**, 77, 65-70		
237	A wide linear range and stable H 2 O 2 electrochemical sensor based on Ag decorated hierarchical Sn 3 O 4. *Electrochimica Acta*, **2017**, 231, 190-199	6.7	30
236	Novel recalibration methodologies for ion-selective electrode arrays in the multi-ion interference scenario. **2017**, 31, e2870		3
235	SERS spectroelectrochemical study of electrode processes at copper hexacyanoferrate modified electrode. **2017**, 181, 200-207		3
234	PA-Tb-Cu MOF as luminescent nanoenzyme for catalytic assay of hydrogen peroxide. *Biosensors and Bioelectronics*, **2017**, 96, 227-232	11.8	67
233	Size-tunable, highly sensitive microelectrode arrays enabled by polymer pen lithography. **2017**, 13, 3685-3689		10
232	Eyeglasses based wireless electrolyte and metabolite sensor platform. *Lab on A Chip*, **2017**, 17, 1834-1842	7.2	160
231	Recent progress in Prussian blue films: Methods used to control regular nanostructures for electrochemical biosensing applications. *Biosensors and Bioelectronics*, **2017**, 96, 17-25	11.8	62
230	Electrocatalytic reduction of oxygen by metal coordination polymers produced from pentacyanidoferrate(II) complex. **2017**, 466, 166-173		9
229	Construction and evaluation of carbon black and poly(ethylene co-vinyl)acetate (EVA) composite electrodes for development of electrochemical (bio)sensors. **2017**, 253, 10-18		14
228	A bimetallic nanocoral Au decorated with Pt nanoflowers (bio)sensor for HO detection at low potential. **2017**, 129, 89-95		7
227	Amperometric sensing of hydrazine using a magnetic glassy carbon electrode modified with a ternary composite prepared from Prussian blue, Fe3O4 nanoparticles, and reduced graphene oxide. *Mikrochimica Acta*, **2017**, 184, 3163-3170	5.8	16
226	Label-free electrochemical immunoassay for Fetoprotein based on a redox matrix of Prussian blue-reduced graphene oxide/gold nanoparticles-poly(3,4-ethylenedioxythiophene) composite. *Journal of Electroanalytical Chemistry*, **2017**, 799, 625-633	4.1	18
225	Pt-Decorated MWCNTs-Ionic Liquid Composite-Based Hydrogen Peroxide Sensor To Study Microbial Metabolism Using Scanning Electrochemical Microscopy. **2017**, 89, 7709-7718		21
224	Screen-printed enzymatic glucose biosensor based on a composite made from multiwalled carbon nanotubes and palladium containing particles. *Mikrochimica Acta*, **2017**, 184, 1987-1996	5.8	15
223	Improvement in Efficiency of the Electrocatalytic Reduction of Hydrogen Peroxide by Prussian Blue Produced from the [Fe(CN)5(mpz)]2 Complex. **2017**, 2017, 1979-1988		10

222	A novel HO biosensor based on three-dimensional micro/nano-biointerfaces. **2017**, 5, 4233-4238		7
221	Facile Synthesis of a MoS-Prussian Blue Nanocube Nanohybrid-Based Electrochemical Sensing Platform for Hydrogen Peroxide and Carcinoembryonic Antigen Detection. **2017**, 9, 12773-12781		86
220	Stabilization of meso-tetraferrocenyl-porphyrin films by formation of composite with Prussian blue. **2017**, 21, 10-15		4
219	Advanced nanomaterial inks for screen-printed chemical sensors. **2017**, 243, 919-926		76
218	Long-range interfacial electron transfer and electrocatalysis of molecular scale Prussian Blue nanoparticles linked to Au(111)-electrode surfaces by different chemical contacting groups. **2017**, 53, 1204-1221		3
217	Electrochemical detection of uric acid using graphite screen-printed electrodes modified with Prussian blue/poly(4-aminosalicylic acid)/Uricase. *Journal of Electroanalytical Chemistry*, **2017**, 806, 172-179	41	32
216	Recent advances in Prussian blue and Prussian blue analogues: synthesis and thermal treatments. *Coordination Chemistry Reviews*, **2017**, 352, 328-345	23.2	152
215	Graphene Nanoreactors: Photoreduction of Prussian Blue in Aqueous Solution. **2017**, 121, 22225-22233		8
214	Hydrogen peroxide sensor based on electrodeposited Prussian blue film. **2017**, 47, 1261-1271		12
213	Hydrogel-based electrochemical sensor for non-invasive and continuous glucose monitoring. **2017**,		2
212	Electrosorption at functional interfaces: from molecular-level interactions to electrochemical cell design. **2017**, 19, 23570-23584		58
211	The Preparation of a AuCN/Prussian Blue Nanocube Composite through Galvanic Replacement Enhances Stability for Electrocatalysis.. **2017**, 2, 5333-5340		6
210	A review on hexacyanoferrate-based materials for energy storage and smart windows: challenges and perspectives. **2017**, 5, 18919-18932		160
209	Potassium (De-)insertion Processes in Prussian Blue Particles: Ensemble versus Single Nanoparticle Behaviour. **2017**, 23, 14338-14344		29
208	Carbon felt based-electrodes for energy and environmental applications: A review. **2017**, 122, 564-591		173
207	Advances in Carbon Felt Material for Electro-Fenton Process. **2017**, 145-173		2
206	Fully integrated ready-to-use paper-based electrochemical biosensor to detect nerve agents. *Biosensors and Bioelectronics*, **2017**, 93, 46-51	11.8	106
205	High-Throughput Electrochemical Screening Assay for Free and Immobilized Oxidases: Electrochemiluminescence and Intermittent Pulse Amperometry. **2017**, 4, 957-966		6

204	In Vivo Biosensor Based on Prussian Blue for Brain Chemistry Monitoring : Methodological Review and Biological Applications. **2017**, 155-179		3
203	Three-dimensional gold nanoparticles/prussian blue-poly(3,4-ethylenedioxythiophene) nanocomposite as novel redox matrix for label-free electrochemical immunoassay of carcinoembryonic antigen. **2017**, 239, 76-84		66
202	The Fabrication of an Amperometric Immunosensor Based on Double-Layer 2D-Network (3-Mercaptopropyl)trimethoxysilane Polymer and Platinum-Prussian Blue Hybrid Film. **2018**, 91, 368-374		4
201	Paramagnetism enhancement by in situ electrochemical hole doping into a Prussian Blue thin film. **2018**, 2, 1004-1008		
200	An insoluble iron complex coated cathode enhances direct electron uptake by Rhodopseudomonas palustris TIE-1. **2018**, 122, 164-173		15
199	Application of pyrite and chalcopyrite as sensor electrode for amperometric detection and measurement of hydrogen peroxide.. **2018**, 8, 5013-5019		9
198	Prussian Blue Modified Submicron Structured Gold Electrodes for Amperometric Hydrogen Peroxide Sensing. **2018**, 30, 583-592		7
197	Highly-Sensitive Non-Enzymatic Glucose Sensor via Nano Platinum Crystals Fabricated by Phase-Controlled Electrochemical Deposition. **2018**, 165, B48-B54		17
196	Photoanode for Aqueous Dye-Sensitized Solar Cells based on a Novel Multicomponent Thin Film. **2018**, 11, 1238-1245		14
195	Carbon nanotube thin films modified with a mixture of Prussian blue and ruthenium purple: combining materials and properties. **2018**, 22, 2003-2012		5
194	EDTA-modified PANI/SWNTs nanocomposite for differential pulse voltammetry based determination of Cu(II) ions. **2018**, 260, 331-338		69
193	Raman spectroelectrochemical study of electrode processes at hybrid polyaniline - copper hexacyanoferrate modified electrode. *Journal of Electroanalytical Chemistry*, **2018**, 808, 228-235	4.1	14
192	Hybrid of Fe4[Fe(CN)6]3 nanocubes and MoS2 nanosheets on nitrogen-doped graphene realizing improved electrochemical hydrogen production. *Electrochimica Acta*, **2018**, 263, 140-146	6.7	35
191	Collisions of suspended Prussian Blue nanoparticles with a rotating disc electrode. **2018**, 86, 130-134		2
190	Nickel hexacyanoferrate supported at nickel nanoparticles for voltammetric determination of rifampicin. **2018**, 260, 816-823		17
189	Paper-based synthesis of Prussian Blue Nanoparticles for the development of whole blood glucose electrochemical biosensor. *Talanta*, **2018**, 187, 59-64	6.2	49
188	Manganese hexacyanoferrate/multi-walled carbon nanotubes nanocomposite: Facile synthesis, characterization and application to high performance supercapacitors. *Electrochimica Acta*, **2018**, 276, 92-101	6.7	28
187	Amperometric Biosensor and Front-End Electronics for Remote Glucose Monitoring by Crosslinked PEDOT-Glucose Oxidase. **2018**, 18, 4869-4878		19

186	A chemical/molecular 4-input/2-output keypad lock with easy resettability based on red-emission carbon dots-Prussian blue composite film electrodes. **2018**, 10, 7484-7493		20
185	Enhanced cesium removal from real matrices by nickel-hexacyanoferrate modified activated carbons. **2018**, 202, 569-575		13
184	Synthesis, Crystal Structure and Magnetic Properties of Three {CrIIIMnII} Heterodimetallic Complexes Based on Heteroleptic Cyanido-Bearing CrIII Building Blocks. **2018**, 2018, 349-359		8
183	A resettable and reprogrammable keypad lock based on electrochromic Prussian blue films and biocatalysis of immobilized glucose oxidase in a bipolar electrode system. *Biosensors and Bioelectronics*, **2018**, 99, 163-169	11.8	31
182	Electronic effects of metal hexacyanoferrates: An XPS and FTIR study. **2018**, 203, 73-81		91
181	Biofuel Cells. **2018**, 161-190		1
180	A novel cobalt hexacyanoferrate/multi-walled carbon nanotubes nanocomposite: Spontaneous assembly synthesis and application as electrode materials with significantly improved capacitance for supercapacitors. *Electrochimica Acta*, **2018**, 259, 793-802	6.7	43
179	A reagent-free paper-based sensor embedded in a 3D printing device for cholinesterase activity measurement in serum. **2018**, 258, 1015-1021		51
178	Use of Screen-printed Electrodes Modified by Prussian Blue and Analogues in Sensing of Cysteine. **2018**, 30, 170-179		27
177	Construction of a sensitive non-enzymatic fructose carbon paste electrode □CuO nanoflower: designing the experiments by response surface methodology. **2018**, 42, 1021-1030		20
176	Development of Amine-Oxidase-Based Biosensors for Spermine and Spermidine Analysis. **2018**, 1694, 75-80		3
175	New Perspectives on Biomedical Applications of Iron Oxide Nanoparticles. **2018**, 25, 540-555		37
174	Single Layer of Gold Nanoparticles Self-Assembled on Gold Electrode as a Novel Sensor with High Electrocatalytic Activity. **2018**, 73, 1118-1127		
173	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. **2018**, 51, 2820-2828		154
172	What a chemistry student should know about the history of Prussian blue. **2018**, 4, 1		12
171	Preparation, luminescence and highly sensitive oxalate sensor of porous EuBO3 microwafers. **2018**, 86, 360-365		2
170	Multilayer sensing platform: gold nanoparticles/prussian blue decorated graphite paper for NADH and HO detection. **2018**, 143, 5278-5284		11
169	A new enzyme immunoassay for alpha-fetoprotein in a separate setup coupling an aluminium/Prussian blue-based self-powered electrochromic display with a digital multimeter readout. **2018**, 143, 2992-2996		33

168	Exploring the Confinement Effect of Carbon Nanotubes on the Electrochemical Properties of Prussian Blue Nanoparticles. **2018**, 34, 6983-6990		10
167	One-step synthesis highly sensitive non-enzyme hydrogen peroxide sensor based on prussian blue/polyaniline/MWCNTs nanocomposites. **2018**, 15, 1889-1897		1
166	Carbon tape as a convenient electrode material for electrochemical paper-based microfluidic devices (ePADs). **2018**, 10, 4020-4027		17
165	pH-Dependent Catalytic Behavior in Cathodic Application of Hydrogen Peroxide with Cobalt Oxide Modified Electrode and Its Application in Electrochemical Fenton Process in Alkaline Media. **2018**, 165, H360-H364		1
164	Determination of Rutin in Drinks Using an Electrode Modified with Carbon Nanotubes-Prussian Blue. **2018**, 73, 504-511		4
163	Chemically bound Prussian blue in sodium alginate hydrogel for enhanced removal of Cs ions. **2018**, 360, 243-249		38
162	Electrodeposited Prussian Blue on carbon black modified disposable electrodes for direct enzyme-free H2O2 sensing in a Parkinson disease in vitro model. **2018**, 275, 402-408		30
161	Electrocatalytic behavior of copper ferrite decorated carbon nanofibers towards oxidative determination of antipsychotic drug Pimozide. *Journal of Electroanalytical Chemistry*, **2018**, 825, 87-96	4.1	10
160	Charge Transfer, Change of the Spin Value, and Driving of Magnetic Order by Pressure in Bimetallic Molecular Complexes. **2018**, 122, 6846-6853		7
159	Electroanalytical Bioplatforms Based on Carbon Nanostructures as New Tools for Diagnosis. **2018**, 269-306		
158	A Prussian Blue ZnO Carbon Nanotube Composite for Chronoamperometrically Assaying HO in BT20 and 4T1 Breast Cancer Cells. **2019**, 91, 10573-10581		8
157	3D-Printed Low-Cost Spectroelectrochemical Cell for In Situ Raman Measurements. **2019**, 91, 10386-10389		24
156	Fabrication of a glucose oxidase/multiporous tin-oxide nanofiber film on Prussian blue modified gold electrode for biosensing. *Journal of Electroanalytical Chemistry*, **2019**, 852, 113550	4.1	8
155	Prussian blue-decorated Cs ion exchange resins with polydopamine as a linker. **2019**, 686, 9-17		1
154	Self-Assembled Thin Films of Graphene Materials for Sensors. **2019**, 569-602		
153	3D Printed Graphene Electrodes Modified with Prussian Blue: Emerging Electrochemical Sensing Platform for Peroxide Detection. **2019**, 11, 35068-35078		58
152	Screen-Printed Soft-Nitrided Carbon Electrodes for Detection of Hydrogen Peroxide. **2019**, 19,		3
151	Impact of cyanide co-ligand to convert crystal structure of pyrazole-based copper coordination compounds from a dinuclear to a polymeric structure and DFT calculations of [Cu2(tpmp)X2] (X = Cl and I). **2019**, 497, 119082		7

150	Wearable biomolecule smartsensors based on one-step fabricated berlin green printed arrays. *Biosensors and Bioelectronics*, **2019**, 144, 111637	11.8	13
149	Modified Electrodeposited Cobalt Foam Coatings as Sensors for Detection of Free Chlorine in Water. **2019**, 9, 306		4
148	Review Quantification of Hydrogen Peroxide by Electrochemical Methods and Electron Spin Resonance Spectroscopy. **2019**, 166, G82-G101		24
147	Disposable electrochemical biosensor based on surface-modified screen-printed electrodes for organophosphorus pesticide analysis. **2019**, 11, 3439-3445		15
146	Development of a highly sensitive xanthine oxidase-based biosensor for the determination of antioxidant capacity in Amazonian fruit samples. *Talanta*, **2019**, 204, 626-632	6.2	7
145	Frontiers in Electrochemical Sensors for Neurotransmitter Detection: Towards Measuring Neurotransmitters as Chemical Diagnostics for Brain Disorders. **2019**, 11, 2738-2755		47
144	A multi-technique approach towards the mechanistic investigation of the electrodeposition of Prussian blue over carbon nanotubes film. *Electrochimica Acta*, **2019**, 312, 380-391	6.7	13
143	Direct Observation of Charge Transfer and Magnetism in FeCo Cyanide-Bridged Molecular Cubes. **2019**, 10, 1799-1804		9
142	Metal Hexacyanoferrates: Ion Insertion (or Exchange) Capabilities. **2019**, 109-133		7
141	Self-powered hydrogen peroxide sensor and its application as a biosensor. **2019**, 58, SBBG16		6
140	Yttrium Hexacyanoferrate Microflowers on Freestanding Three-Dimensional Graphene Substrates for Ascorbic Acid Detection. *ACS Applied Nano Materials*, **2019**, 2, 2212-2221	5.6	23
139	Skin-inspired, open mesh electrochemical sensors for lactate and oxygen monitoring. *Biosensors and Bioelectronics*, **2019**, 132, 343-351	11.8	29
138	A three-dimensional conductive molecularly imprinted electrochemical sensor based on MOF derived porous carbon/carbon nanotubes composites and prussian blue nanocubes mediated amplification for chiral analysis of cysteine enantiomers. *Electrochimica Acta*, **2019**, 302, 137-144	6.7	46
137	Paper-based electroanalytical strip for user-friendly blood glutathione detection. **2019**, 294, 291-297		27
136	Three-dimensional paper-based microfluidic electrochemical integrated devices (3D-PMED) for wearable electrochemical glucose detection.. **2019**, 9, 5674-5681		63
135	Battery-Free and Wireless Epidermal Electrochemical System with All-Printed Stretchable Electrode Array for Multiplexed In Situ Sweat Analysis. **2019**, 4, 1800658		68
134	Concentration cell-based potentiometric analysis for point-of-care testing with minimum background. *Analytica Chimica Acta*, **2019**, 1046, 110-114	6.6	3
133	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. *Biosensors and Bioelectronics*, **2019**, 129, 15-23	11.8	69

132	Doped-Graphene Modified Electrochemical Sensors. **2019**, 67-87		2
131	Electrochromic properties of Prussian Blue nanocube film directly grown on FTO substrates by hydrothermal method. **2020**, 258, 126782		13
130	A sensitive and selective electrochemical sensor based on N, P-Doped molybdenum Carbide@Carbon/Prussian blue/graphite felt composite electrode for the detection of dopamine. *Analytica Chimica Acta*, **2020**, 1094, 80-89	6.6	32
129	Optimized deposition time boosts the performance of Prussian blue modified nanoporous gold electrodes for hydrogen peroxide monitoring. **2020**, 31, 045501		5
128	Cesium ion-exchange resin using sodium dodecylbenzenesulfonate for binding to Prussian blue. **2020**, 244, 125589		9
127	The sweet detection of rolling circle amplification: Glucose-based electrochemical genosensor for the detection of viral nucleic acid. *Biosensors and Bioelectronics*, **2020**, 151, 112002	11.8	22
126	Wearable Tape-Based Smart Biosensing Systems for Lactate and Glucose. **2020**, 20, 3757-3765		11
125	A high-performance electroactive PPy/rGO/NiCo-LDH hybrid film for removal of dilute dodecyl sulfonate ions. *Electrochimica Acta*, **2020**, 331, 135288	6.7	20
124	ReviewPrussian Blue and Its Analogs as Appealing Materials for Electrochemical Sensing and Biosensing. **2020**, 167, 037510		45
123	A Mediator-Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring. **2020**, 30, 1908507		23
122	A New Redox Mediator (Cupric-Neocuproine Complex)- Modified Pencil Graphite Electrode for the Electrocatalytic Oxidation of H2O2: A Flow Injection Amperometric Sensor. **2020**, 7, 649-658		10
121	A surfactant enhanced graphene paste electrode as an effective electrochemical sensor for the sensitive and simultaneous determination of catechol and resorcinol. **2020**, 25, 100331		26
120	Electrochemically anchored manganese hexacyanoferrate nanocubes on three-dimensional porous graphene scaffold: Towards a potential application in high-performance asymmetric supercapacitors. **2020**, 449, 227510		17
119	A novel photolithographic method for fabrication of flexible micro-patterned glucose sensors. *Journal of Electroanalytical Chemistry*, **2020**, 876, 114720	4.1	8
118	All-screen-printed graphite sensors integrating permanent bonded magnets. Fabrication, characterization and analytical utility. *Electrochimica Acta*, **2020**, 360, 136981	6.7	1
117	The Application of Prussian Blue Nanoparticles in Tumor Diagnosis and Treatment. **2020**, 20,		11
116	Hybrid Pectin-Based Sorbents for Cesium Ion Removal. **2020**, 13,		1
115	A novel electrochemically switched ion exchange system for phenol recovery and regeneration of NaOH from sodium phenolate wastewater. **2020**, 248, 117125		6

114	A Highly Sensitive Amperometric Glutamate Oxidase Microbiosensor Based on a Reduced Graphene Oxide/Prussian Blue Nanocube/Gold Nanoparticle Composite Film-Modified Pt Electrode. **2020**, 20,		8
113	Oxidative Print Light Synthesis Thin Film Deposition of Prussian Blue. **2020**, 2, 927-935		12
112	Enhanced selectivity and stability of ruthenium purple-modified carbon fiber microelectrodes for detection of hydrogen peroxide in brain tissue. **2020**, 311, 127899		8
111	Development of Non-enzymatic Cholesterol Electrochemical Sensor Based on Polyindole/Tungsten Carbide Nanocomposite. **2020**, 4, 13-22		11
110	One-step modification of nano-polyaniline/glucose oxidase on double-side printed flexible electrode for continuous glucose monitoring: Characterization, cytotoxicity evaluation and in vivo experiment. *Biosensors and Bioelectronics*, **2020**, 165, 112408	11.8	21
109	Thermal decomposition of Prussian blue analogues in various gaseous media. **2020**, 146, 629		5
108	Amperometric biogenic amine biosensors based on Prussian blue, indium tin oxide nanoparticles and diamine oxidase- or monoamine oxidase-modified electrodes. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 1933-1946	4.4	17
107	Development of cashew gum-based bionanocomposite as a platform for electrochemical trials. **2020**, 153, 118-127		5
106	Density-functional-theory-predicted symmetry lowering from cubic to tetragonal in nickel hexacyanoferrate. **2020**, 53, 117-126		2
105	A novel antimicrobial electrochemical glucose biosensor based on silver Prussian blue-modified TiO2 nanotube arrays. **2020**, 3, e10061		2
104	Continuous Energy Harvesting and Motion Sensing from Flexible Electrochemical Nanogenerators: Toward Smart and Multifunctional Textiles. *ACS Nano*, **2020**, 14, 2308-2315	16.7	26
103	Electrosorption of a repulsive binary mixture on modified electrodes. **2020**, 695, 121587		2
102	Bacterial cellulose-based electrochemical sensing platform: A smart material for miniaturized biosensors. *Electrochimica Acta*, **2020**, 349, 136341	6.7	37
101	Electroactive magnetic microparticles for the selective elimination of cesium ions in the wastewater. **2020**, 185, 109474		6
100	Characterization of porous cobalt hexacyanoferrate and activated carbon electrodes under dynamic polarization conditions in a sodium-ion pseudocapacitor. **2021**, 54, 53-62		9
99	Paper-based electrochemical sensor for on-site detection of the sulphur mustard. **2021**, 28, 25069-25080		8
98	Plasmonic active film integrating gold/silver nanostructures for HO readout. *Talanta*, **2021**, 222, 121682	6.2	9
97	LDI-MS scanner: Laser desorption ionization mass spectrometry-based biosensor standardization. *Talanta*, **2021**, 223, 121688	6.2	7

96	Structure and Properties of Prussian Blue Analogues in Energy Storage and Conversion Applications. **2021**, 31, 2006970		87
95	Sonochemical coating of Prussian Blue for the production of smart bacterial-sensing hospital textiles. **2021**, 70, 105317		7
94	In situ assembly of PB/SiO2 composite PVDF membrane for selective removal of trace radiocesium from aqueous environment. **2021**, 254, 117557		2
93	Ultra-micro amperometric sensor of isoniazid using carbon doped vanadium trioxide @ Prussian blue supported on graphite felt. **2021**, 860, 158176		3
92	Multifunctional Prussian blue analogue magnets: Emerging opportunities. **2021**, 22, 100886		7
91	Activity determination of human monoamine oxidase B (Mao B) by selective capturing and amperometric hydrogen peroxide detection. **2021**, 328, 129020		1
90	Highly sensitive real-time detection of intracellular oxidative stress and application in mycotoxin toxicity evaluation based on living single-cell electrochemical sensors. **2021**, 146, 1444-1454		1
89	An epidermal patch for the simultaneous monitoring of haemodynamic and metabolic biomarkers. **2021**, 5, 737-748		119
88	Determination of the Antioxidant Activity of Samples of Tea and Commercial Sources of Vitamin C, Using an Enzymatic Biosensor. **2021**, 10,		5
87	Amperometric detection of glucose and H2O2 using peroxide selective electrode based on carboxymethylcellulose/polypyrrole and Prussian Blue nanocomposite. **2021**, 26, 101839		5
86	Synthesizing Electrodes Into Electrochemical Sensor Systems. **2021**, 9, 641674		0
85	Some considerations on the structure, composition, and properties of Prussian blue: a contribution to the current discussion. **2021**, 27, 2289-2305		5
84	Designing of Nanomaterials-Based Enzymatic Biosensors: Synthesis, Properties, and Applications. **2021**, 2, 149-184		21
83	Metallohexacyanates. **2021**, 143-182		
82	Precise and rapid solvent-assisted geometric protein self-patterning with submicron spatial resolution for scalable fabrication of microelectronic biosensors. *Biosensors and Bioelectronics*, **2021**, 177, 112968	11.8	1
81	A Label and Probe-Free Zika Virus Immunosensor Prussian Blue@carbon Nanotube-Based for Amperometric Detection of the NS2B Protein. **2021**, 11,		4
80	Cost-efficient nickel-based thermo-electrochemical cells for utilizing low-grade thermal energy. **2021**, 494, 229705		7
79	Office Paper-Based Electrochemical Strips for Organophosphorus Pesticide Monitoring in Agricultural Soil. **2021**, 55, 8859-8865		26

78	Wearable electrochemical flexible biosensors: With the focus on affinity biosensors. **2021**, 32, 100403		10
77	Macroscopically Oriented Magnetic Core-regularized Nanomaterials for Glucose Biosensors Assisted by Self-sacrificial Label. **2021**, 33, 2216		2
76	A Rigidity/Flexibility Compatible Strategy to Improve the Stability and Durability of Flexible Electrochemical Sensor Based on a Polydimethylsiloxane Membrane Supported Prussian Blue@Carbon Nanotube Array.		
75	A paper-based electrochemical sensor for HO detection in aerosol phase: Measure of HO nebulized by a reconverted ultrasonic aroma diffuser as a case of study. **2021**, 166, 106249		12
74	Development of a multiparametric (bio)sensing platform for continuous monitoring of stress metabolites. *Talanta*, **2021**, 229, 122275	6.2	3
73	An Innovative Sensor Construction Strategy via LbL Assembly for the Detection of H2O2 Based on the Sequential In Situ Growth of Prussian Blue Nanoparticles in CMC-PANI Composite Film. **2021**, 168, 076509		1
72	Metal Cation-Modified Graphene Oxide as Precursor for Advanced Materials: Thin Films of Graphene/Prussian Blue Analogues. **2021**, 2021, 3373-3384		1
71	Preparation of carbon nanotube arrays nanocomposites filled with Prussian blue and electrochemical sensing of hydrogen peroxide. **2021**, 580, 42-54		
70	Hydrogen Peroxide Detection Using Prussian Blue-modified 3D Pyrolytic Carbon Microelectrodes.		0
69	Multi-array wax paper-based platform for the pre-concentration and determination of silver ions in drinking water. *Talanta*, **2021**, 232, 122474	6.2	7
68	Electrochemical Sensor to Detect Proteinuria Using Peptidases and Glutamate Oxidase Jointly Immobilized on a Prussian Blue-modified Electrode. **2021**, 89, 409-414		0
67	A sample-to-answer, wearable cloth-based electrochemical sensor (WCECS) for point-of-care detection of glucose in sweat. **2021**, 343, 130131		17
66	Continuous capillary-flow sensing of glucose and lactate in sweat with an electrochemical sensor based on functionalized graphene oxide. **2021**, 344, 130253		12
65	A Novel Nanographite Based Non-enzymatic Cholesterol Sensor. **2014**, 531-534		3
64	Prussian blue-carboxylated MWCNTs/ZIF-67 composite: a new electrochemical sensing platform for paracetamol detection with high sensitivity. **2021**, 32, 085501		5
63	Improving microbial electrosynthesis of polyhydroxybutyrate (PHB) from CO2byRhodopseudomonas palustrisTIE-1 using an immobilized iron complex modified cathode.		1
62	Preferential Evolution of Prussian Blue's Morphology from Cube to Hexapod. **2012**, 33, 1078-1080		18
61	Rapid Detection Methods for Biogenic Amines in Foods. **2012**, 44, 141-147		2

60	Organic Bioelectronic Devices for Metabolite Sensing. **2021**,		9
59	Detection and Identification of Organophosphorus Compounds. **2010**, 295-314		
58	Role of Nano-Structured Domain Derived from Organically Modified Silicate in Electrocatalysis. 93-101		
57	Biosensing Systems Based on Metal Oxides Nanoparticles and Choline Oxidase for Environmental and Biomedical Monitoring of Neurotoxicants. **2012**, 151-169		
56	Redox Polymers and Metallopolymers. **2014**, 59-97		
55	Self-Organized Nano- and Micro-structure of Electrochemical Materials by Design of Fabrication Approaches. **2015**, 1-20		
54	Biocomposite Nanomaterials for Electrochemical Biosensors. **2016**, 1161-1194		
53	Self-Organized Nano- and Microstructure of Electrochemical Materials by Design of Fabrication Approaches. **2016**, 1033-1056		
52	Development of a cholesterol biosensor modified with carbon nanotube. *Analytical Science and Technology*, **2015**, 28, 425-429		
51	Biosensing of Neurotoxicity to Prevent Bioterrorist Threats and Harmful Algal Blooms. *Advanced Sciences and Technologies for Security Applications*, **2016**, 333-348	0.6	
50	CHAPTER 12:Immunosensors Using Screen-printed Electrodes. *RSC Detection Science*, **2019**, 267-302	0.4	
49	Structural reorganization of CuO/Cu2[Fe(CN)6] nanocomposite: characterization and electrocatalytic effect for the hydrogen peroxide reduction. *Anais Da Academia Brasileira De Ciencias*, **2020**, 92, e20191442	1.4	1
48	Metal Hexacyanoferrate Absorbents for Heavy Metal Removal. *Environmental Chemistry for A Sustainable World*, **2021**, 171-194	0.8	
47	Influence of electrosynthesis methods in the electrocatalytical and morphological properties of cobalt and nickel hexacyanoferrate films. *Electrochimica Acta*, **2020**, 361, 137021	6.7	2
46	Synthesis and Applications of Prussian Blue and Its Analogues as Electrochemical Sensors.. *ChemPlusChem*, **2021**, 86, 1608-1622	2.8	2
45	Electrochromogenic Detection of Live Bacteria Using Soluble and Insoluble Prussian Blue. *ACS Omega*, **2021**, 6, 30989-30997	3.9	0
44	Old Materials for New Functions: Recent Progress on Metal Cyanide Based Porous Materials. *Advanced Science*, **2021**, e2104234	13.6	4
43	Therapeutics studies and biological properties of Teucrium polium (Lamiaceae). *BioFactors*, **2021**, 47, 952-963	6.1	1

42	Application of Prussian Blue modified carbon electrodes for amperometric detection of amyloid-β peptides by flow injection analysis. *Electrochimica Acta*, **2022**, 406, 139829	6.7	0
41	Electrochemical Signal Substance for Multiplexed Immunosensing Interface Construction: A Mini Review.. *Molecules*, **2022**, 27,	4.8	0
40	Wearable healthcare smart electrochemical biosensors based on co-assembled prussian blue-graphene film for glucose sensing.. *Mikrochimica Acta*, **2022**, 189, 46	5.8	2
39	Label-free magnetic nanoparticles-based electrochemical immunosensor for atrazine detection.. *Analytical and Bioanalytical Chemistry*, **2022**, 414, 2055	4.4	1
38	Printed microfluidic sweat sensing platform for cortisol and glucose detection. *Lab on A Chip*, **2021**,	7.2	5
37	A novel uric acid biosensor based on regular Prussian blue nanocrystal/ upright graphene oxide array nanocomposites. *Current Analytical Chemistry*, **2022**, 18,	1.7	
36	Wearable hydrogel patch with noninvasive, electrochemical glucose sensor for natural sweat detection.. *Talanta*, **2022**, 241, 123187	6.2	12
35	New trends in enzyme-free electrochemical sensing of ROS/RNS. Application to live cell analysis.. *Mikrochimica Acta*, **2022**, 189, 102	5.8	2
34	Nanoheterostructures based on nanosized Prussian blue and its Analogues: Design, properties and applications. *Coordination Chemistry Reviews*, **2022**, 461, 214497	23.2	3
33	A three-dimensional electrochemical biosensor integrated with hydrogel for cells culture and lactate release monitoring. *Journal of Electroanalytical Chemistry*, **2022**, 915, 116338	4.1	2
32	Sweat urea bioassay based on degradation of Prussian Blue as the sensing architecture. *Analytica Chimica Acta*, **2022**, 1210, 339882	6.6	1
31	Wearable biosensors for human fatigue diagnosis: A review. *Bioengineering and Translational Medicine*,	14.8	
30	Electrochemical Transparency of Graphene. *ACS Nano*,	16.7	1
29	Intrinsic Multienzyme-like Activities of the Nanoparticles of Mn and Fe Cyano-Bridged Assemblies. *Nanomaterials*, **2022**, 12, 2095	5.4	0
28	In Vitro Antioxidant and Prooxidant Activities of Red Raspberry (Rubus idaeus L.) Stem Extracts. *Molecules*, **2022**, 27, 4073	4.8	1
27	Electrochemical paper-based devices: When the simple replacement of the support to print ecodesigned electrodes radically improves the features of the electrochemical devices. *Current Opinion in Electrochemistry*, **2022**, 101090	7.2	1
26	Nanozyme Cellulose Hydrogel Composites Enabling Cascade Catalysis for the Colorimetric Detection of Glucose. *ACS Applied Nano Materials*,	5.6	1
25	End-to-end design of wearable sensors. *Nature Reviews Materials*,	73.3	22

24	Characteristics of Prussian Blue Nanoparticles and Trends in Their Biotechnological Application Research. **2022**, 37, 41-48	
23	Rapid Detection of Inflammation-Related Biomarkers Using an Electrochemical Sensor Modified with a PBNC-AuNS-GO-Based Nanocomposite.	0
22	Development of a membraneless single-enzyme biofuel cell powered by glucose. **2022**, 216, 114657	1
21	A Platinized Carbon Fiber Microelectrode-Based Oxidase Biosensor for Amperometric Monitoring of Lactate in Brain Slices. **2022**, 22, 7011	1
20	Hydrogen peroxide production of underwater nanosecond-pulsed streamer discharges with respect to pulse parameters and associated discharge characteristics.	0
19	Subcutaneous amperometric biosensors for continuous glucose monitoring in diabetes. **2022**, 124033	1
18	Application of Prussian Blue in Electrochemical and Optical Sensing of Free Chlorine. **2022**, 22, 7768	0
17	Glucose test strips with the largest linear range made via single step modification by glucose oxidase-hexacyanoferrate-chitosan mixture. **2022**, 114851	1
16	A solar-rechargeable bio-photoelectrochemical system based on carbon tracking strategy for enhancement of glucose electrometabolism. **2022**, 104, 107940	1
15	Porous hydrogel scaffolds integrating Prussian Blue Nanoparticles: a versatile strategy for electrochemical (bio)sensing. **2022**, 132985	3
14	Biofuel cell based on yeast modified with Prussian blue. **2023**, 928, 117079	0
13	Rapid Measurement of Lactate in the Exhaled Breath Condensate: Biosensor Optimization and In-Human Proof of Concept. **2022**, 7, 3809-3816	0
12	A Non-Enzymatic and Electrochemical-Based Sensor using a Prussian Blue-Gold Nanoparticle-Reduced Graphene Oxide Ternary Nanocomposite for Efficient Hydrogen Peroxide Detection.. **2022**, 7,	0
11	Wearable Electrodes for Lactate: Applications in Enzyme-Based Sensors and Energy Biodevices.	0
10	A Prussian Blue Modified Electrode Based Amperometric Sensor for Lactate Determination. **2022**,	0
9	Hydrothermal synthesis as a versatile tool for the preparation of metal hexacyanoferrates: a review.	0
8	Electrochemical sensors based on antimony tin oxide-Prussian blue screen-printed electrode and PEDOT-Prussian blue for potassium ion detection.	1
7	Carbon nanostructures in enhancing ranitidine drug degradation by zinc hexacyanoferrate. **2023**, 38, 102769	0

6	Flexible, Bifunctional Sensing Platform Made with Biodegradable Mats for Detecting Glucose in Urine. **2023**, 11, 2209-2218	0
5	Direct Electrochemistry of Cholesterol Oxidase Immobilized on PEDOT Functionalized Screen-Printed Electrodes. **2023**, 170, 027510	0
4	Smart sensing coatings for early warning of degradations: A review. **2023**, 177, 107418	0
3	Prussian Blue Nanozyme Treatment of Ischemic Brain Injury via Reducing Oxidative Stress Inhibits Inflammation, Suppresses Apoptosis, and Promotes Neurological Recovery.	0
2	Improving the electrochromic performance of prussian blue (PB) thin films by using an innovative electrothermophoresis method.	0
1	Recent advances of peroxidase-active nanozymes in electrochemical immunoassays.	0