Electrochemical sensor based on nitrogen doped graphene: simultaneous determination of ascorbic acid, dopamine and uric acid

DOI: 10.1016/j.bios.2012.01.030
Biosensors and Bioelectronics, 2012, 34, 125-31.

#	Paper	IF	Citations
626	.		
625	Platinum/Graphene Oxide Coated Microfabricated Arrays for Multinucleus Neural Activities Detection in the Rat Models of Parkinsons Disease Treated by Apomorphine.		
624	Application of Sephadex LH-20 for Microdetermination of Dopamine by Solid Phase Spectrophotometry. **2012**, 2012, 216068		4
623	Facile synthesis of graphene hybrid tube-like structure for simultaneous detection of ascorbic acid, dopamine, uric acid and tryptophan. **2012**, 756, 7-12		73
622	High efficiency enrichment of low-abundance peptides by novel dual-platform graphene@SiO2@PMMA. **2012**, 4, 6948-50		23
621	An electrochemical ascorbic acid sensor based on palladium nanoparticles supported on graphene oxide. **2012**, 745, 33-7		115
620	Graphene electrochemistry: fundamental concepts through to prominent applications. **2012**, 41, 6944-76		497
619	Copper nanoparticle modified carbon electrode for determination of dopamine. **2012**, 76, 201-207		66
618	Synthesis and electrochemical applications of nitrogen-doped carbon nanomaterials. **2013**, 2, 615-635		45
617	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on graphene anchored with Pd-Pt nanoparticles. **2013**, 111, 392-7		153
616	Carbon nanomaterial based electrochemical sensors for biogenic amines. **2013**, 180, 935-956		57
615	Electrochemical detection of dopamine based on pre-concentration by graphene nanosheets. **2013**, 138, 6044-51		48
614	Self-assembly synthesis of a hierarchical structure using hollow nitrogen-doped carbon spheres as spacers to separate the reduced graphene oxide for simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. **2013**, 5, 3591		29
613	Term ‘nano’ in electroanalysis: A trendy prefix or a new stage of its development?. **2013**, 68, 663-670		5
612	Solvothermal synthesis of antimony sulfide dendrites for electrochemical detection of dopamine. **2013**, 42, 11411-7		11
611	Conducting polyaniline-graphene oxide fibrous nanocomposites: preparation, characterization and simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. **2013**, 3, 14428		107
610	KOH-activated nitrogen-doped graphene by means of thermal annealing for supercapacitor. **2013**, 17, 1809-1814		50

609	Metal-free catalytic reduction of 4-nitrophenol to 4-aminophenol by N-doped graphene. **2013**, 6, 3260		330
608	Fabrication and characterisation of high performance polypyrrole modified microarray sensor for ascorbic acid determination. **2013**, 793, 11-8		9
607	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on nitrogen doped porous carbon nanopolyhedra. **2013**, 1, 2742-2749		143
606	Design of templated nanoporous carbon electrode materials with substantial high specific surface area for simultaneous determination of biomolecules. *Biosensors and Bioelectronics*, **2013**, 42, 163-9	11.8	38
605	Simultaneous determination of dopamine and uric acid using layer-by-layer graphene and chitosan assembled multilayer films. **2013**, 117, 359-65		41
604	The influence of boron dopant on the electrochemical properties of graphene as an electrode material and a support for Pt catalysts. **2013**, 114, 582-589		32
603	Synthesis of a hydrophilic poly-l-lysine/graphene hybrid through multiple non-covalent interactions for biosensors. **2013**, 1, 1406-1413		50
602	Highly Sensitive and Selective Basal Plane Pyrolytic Graphite Electrode Modified with 1,4-Naphthoquinone/MWCNT for Simultaneous Determination of Dopamine, Ascorbate and Urate. **2013**, 25, 723-731		15
601	The formation of zirconium hexacyanoferrate(II) nanoparticles and their application in the highly sensitive determination of dopamine based on enhanced resonance Rayleigh scattering. **2013**, 5, 5541		12
600	Simultaneous electrochemical determination of uric acid and dopamine in the presence of ascorbic acid using nitrogen-doped carbon hollow spheres. **2013**, 5, 3635		10
599	Sensing of glycoprotein via a biomimetic sensor based on molecularly imprinted polymers and graphene-Au nanoparticles. **2013**, 138, 1219-25		60
598	Global and local reactivity indexes applied to understand the chemistry of graphene oxide and doped graphene. **2013**, 19, 919-30		19
597	Ultrasensitive electrochemical immunoassay for squamous cell carcinoma antigen using dumbbell-like Pt-Fe□□ nanoparticles as signal amplification. *Biosensors and Bioelectronics*, **2013**, 46, 91-6	11.8	55
596	Simultaneous determination of uric acid, xanthine, hypoxanthine and caffeine in human blood serum and urine samples using electrochemically reduced graphene oxide modified electrode. **2013**, 771, 14-20		108
595	Graphene paste electrode: Electrochemical behavior and analytical applications for the quantification of NADH. **2013**, 176, 921-926		44
594	Biomarkers Detection on Hydrogenated Graphene Surfaces: Towards Applications of Graphane in Biosensing. **2013**, 25, 703-705		26
593	Improved cathode materials for microbial electrosynthesis. **2013**, 6, 217-224		260
592	Graphene-based electrochemical sensors. **2013**, 9, 1160-72		434

591	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. **2013**, 88, 708-712		180
590	Sensitive and selective electrochemical detection of dopamine using an electrode modified with carboxylated carbonaceous spheres. **2013**, 138, 2683-90		59
589	Controllable synthesis of nitrogen-doped graphene and its effect on the simultaneous electrochemical determination of ascorbic acid, dopamine, and uric acid. **2013**, 59, 418-429		113
588	Electrochemical determination of uric acid in the presence of ascorbic acid on electrochemically reduced graphene oxide modified electrode. **2013**, 700, 54-59		49
587	Graphene oxide-modified electrodes for sensitive determination of diethylstilbestrol. **2013**, 24, 115502		24
586	Extraordinary supercapacitor performance of heavily nitrogenated graphene oxide obtained by microwave synthesis. **2013**, 1, 7563		121
585	Electrochemical detection of dopamine using water-soluble sulfonated graphene. **2013**, 102, 58-65		109
584	Sensitive amperometric biosensor for phenolic compounds based on graphene-silk peptide/tyrosinase composite nanointerface. *Biosensors and Bioelectronics*, **2013**, 44, 85-8	11.8	75
583	Simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid using a palladium nanoparticle/graphene/chitosan modified electrode. **2013**, 695, 10-16		130
582	A facile one-step electrochemical fabrication of reduced graphene oxide–multilwall carbon nanotubes–phospotungstic acid composite for dopamine sensing. **2013**, 693, 9-15		51
581	New -cyclodextrin entrapped in polyethyleneimine film-modified electrodes for pharmaceutical compounds determination. **2013**, 13, 16312-29		7
580	Synthesis of Boron-doped Multi-walled Carbon Nanotubes by an Ammonia-assisted Substitution Reaction for Applying in Supercapacitors. **2014**, 61, 1764-1767		15
579	Palladium Nanoparticles Modified N-Type Epitaxial Silicon Electrode for Photocurrent Detection of Ascorbic Acid. **2014**, 1052, 433-436		
578	One-step pyrolytic synthesis of nitrogen and sulfur dual-doped porous carbon with high catalytic activity and good accessibility to small biomolecules. **2014**, 6, 19109-17		56
577	Graphene Applications. **2014**, 127-174		3
576	Titanate nanofibers sensitized with nanocrystalline Bi2S3 as new electrocatalytic materials for ascorbic acid sensor applications. **2014**, 135, 121-127		32
575	Sensitive detection of uric acid on partially electro-reduced graphene oxide modified electrodes. **2014**, 119, 32-37		24
574	Simultaneous Detection of Dopamine, Ascorbic Acid and Uric Acid at Lithographically-Defined 3D Graphene Electrodes. **2014**, 26, 52-56		18

573	A thin poly(acridine orange) film containing reduced graphene oxide for voltammetric simultaneous sensing of ascorbic acid and uric acid. **2014**, 181, 589-595		15
572	Electrochemical detection of rutin on nitrogen-doped graphene modified carbon ionic liquid electrode. **2014**, 199, 36-41		35
571	A review of organic and inorganic biomaterials for neural interfaces. **2014**, 26, 1846-85		370
570	Novel graphene flowers modified carbon fibers for simultaneous determination of ascorbic acid, dopamine and uric acid. *Biosensors and Bioelectronics*, **2014**, 53, 220-4	11.8	223
569	Simultaneous determination of dopamine, ascorbic acid and uric acid at electrochemically reduced graphene oxide modified electrode. **2014**, 193, 166-172		328
568	Doped graphene for metal-free catalysis. **2014**, 43, 2841-57		608
567	Electrochemical determination of ascorbic acid, dopamine and uric acid based on an exfoliated graphite paper electrode: A high performance flexible sensor. **2014**, 193, 492-500		121
566	Simultaneous determination of ascorbic acid, dopamine and uric acid based on tryptophan functionalized graphene. **2014**, 823, 32-9		149
565	Advances in enzyme-free electrochemical sensors for hydrogen peroxide, glucose, and uric acid. **2014**, 181, 689-705		268
564	Macroporous flower-like graphene-nanosheet clusters used for electrochemical determination of dopamine. **2014**, 448, 181-185		33
563	Overoxidized polyimidazole/graphene oxide copolymer modified electrode for the simultaneous determination of ascorbic acid, dopamine, uric acid, guanine and adenine. *Biosensors and Bioelectronics*, **2014**, 57, 232-8	11.8	145
562	Graphene prepared by one-pot solvent exfoliation as a highly sensitive platform for electrochemical sensing. **2014**, 825, 26-33		57
561	Synergistic electrocatalytic effect of graphene/nickel hydroxide composite for the simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. **2014**, 133, 233-240		89
560	Electrodeposited nitrogen-doped graphene/carbon nanotubes nanocomposite as enhancer for simultaneous and sensitive voltammetric determination of caffeine and vanillin. **2014**, 833, 22-8		70
559	Ionic Liquid Functionalized Graphene-Based Electrochemical Biosensor for Simultaneous Determination of Dopamine and Uric Acid in the Presence of Ascorbic Acid. **2014**, 26, 191-198		28
558	Au nanoparticles decorated polypyrrole/reduced graphene oxide hybrid sheets for ultrasensitive dopamine detection. **2014**, 193, 759-763		97
557	Simultaneous determination of tyrosine, acetaminophen and ascorbic acid using gold nanoparticles/multiwalled carbon nanotube/glassy carbon electrode by differential pulse voltammetric method. **2014**, 193, 451-460		133
556	ZnO nanowire arrays on 3D hierachical graphene foam: biomarker detection of Parkinson's disease. **2014**, 8, 1639-46		236

555	Sensitive Electrochemical Sensor for Simultaneous Determination of Dopamine, Ascorbic Acid, and Uric Acid Enhanced by Amino-group Functionalized Mesoporous Fe3O4@Graphene Sheets. **2014**, 116, 244-249	101
554	Metal-organic framework-derived copper nanoparticle@carbon nanocomposites as peroxidase mimics for colorimetric sensing of ascorbic acid. **2014**, 20, 16377-83	167
553	Graphene and its nanocomposite material based electrochemical sensor platform for dopamine. **2014**, 4, 63296-63323	224
552	Reagentless uric acid biosensor based on Ni microdiscs-loaded NiO thin film matrix. **2014**, 139, 4606-12	14
551	A novel electrocatalytic platform for separation of the overlapping voltammetric responses of AA, DA and UA. **2014**, 4, 5849	13
550	Electrochemical determination of selected neurotransmitters at electrodes modified with oppositely charged carbon nanoparticles. **2014**, 6, 7532-7539	12
549	Preparation of N-doped graphene by reduction of graphene oxide with mixed microbial system and its haemocompatibility. **2014**, 6, 4882-8	37
548	High-Performance Dopamine Sensors Based on Whole-Graphene Solution-Gated Transistors. **2014**, 24, 978-985	112
547	Gold nanoparticle-decorated MoS2 nanosheets for simultaneous detection of ascorbic acid, dopamine and uric acid. **2014**, 4, 27625	180
546	High Selectivity of Porous Graphene Electrodes Solely Due to Transport and Pore Depletion Effects. **2014**, 118, 22635-22642	22
545	Sensitive electrochemical sensors for simultaneous determination of ascorbic acid, dopamine, and uric acid based on Au@Pd-reduced graphene oxide nanocomposites. **2014**, 6, 11303-9	168
544	Study of Electronic and Magnetic Properties of Nitrogen Doped Graphene Oxide. **2014**, 938, 97-102	1
543	Optimization of modified carbon paste electrode with multiwalled carbon nanotube/ionic liquid/cauliflower-like gold nanostructures for simultaneous determination of ascorbic acid, dopamine and uric acid. **2014**, 44, 58-68	35
542	Novel electrochemical sensor based on N-doped carbon nanotubes and Fe3O4 nanoparticles: simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. **2014**, 432, 207-13	76
541	Template-assisted self-assembly method to prepare three-dimensional reduced graphene oxide for dopamine sensing. **2014**, 205, 120-126	74
540	Electrochemical biosensor based on one-dimensional MgO nanostructures for the simultaneous determination of ascorbic acid, dopamine, and uric acid. **2014**, 204, 629-636	67
539	Heteroatom-doped graphene materials: syntheses, properties and applications. **2014**, 43, 7067-98	1258
538	Terbium(III) based coordination polymer microparticles as a luminescent probe for ascorbic acid. **2014**, 181, 1431-1437	17

537	Simultaneous determination of ascorbic acid, dopamine, and uric acid using a carbon paste electrode modified with multiwalled carbon nanotubes, ionic liquid, and palladium nanoparticles. **2014**, 181, 1999-2008		75
536	A rapid and sensitive method for hydroxyl radical detection on a microfluidic chip using an N-doped porous carbon nanofiber modified pencil graphite electrode. **2014**, 139, 3416-22		28
535	Sensitive and reliable ascorbic acid sensing by lanthanum oxide/reduced graphene oxide nanocomposite. **2014**, 174, 1010-20		13
534	Selective electrochemical determination of dopamine in serum in the presence of ascorbic acid and uric acid by using a CuO nanoleaf electrode. **2014**, 6, 7923-7927		17
533	Improved heterogeneous electron transfer kinetics of fluorinated graphene derivatives. **2014**, 6, 10140-6		48
532	Determination of Dopamine Using Self-Assembled Diazoresin/Graphene Modified Electrodes. **2014**, 154, 36-42		1
531	An electrochemical sensor based on the three-dimensional functionalized graphene for simultaneous determination of hydroquinone and catechol. **2014**, 722-723, 38-45		39
530	Fabrication of 2D ordered mesoporous carbon nitride and its use as electrochemical sensing platform for H2O2, nitrobenzene, and NADH detection. *Biosensors and Bioelectronics*, **2014**, 53, 250-6	11.8	131
529	Voltammetric behavior of uric acid on carbon paste electrode modified with salmon sperm dsDNA and its application as label-free electrochemical sensor. *Biosensors and Bioelectronics*, **2014**, 54, 211-6	11.8	23
528	Detection of dopamine using self-assembled diazoresin/single-walled carbon nanotube modified electrodes. **2014**, 25, 523-528		14
527	Selective sensing of catechol and hydroquinone based on poly(3,4-ethylenedioxythiophene)/nitrogen-doped graphene composites. **2014**, 199, 154-160		66
526	Electrochemically synthesized partially reduced graphene oxide modified glassy carbon electrode for individual and simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. **2014**, 6, 5322-5330		33
525	The Handbook of Graphene Electrochemistry. **2014**,		123
524	Electrochemical performance of electrospun free-standing nitrogen-doped carbon nanofibers and their application for glucose biosensing. **2014**, 6, 6275-80		48
523	Photoelectrocatalytic oxidation of uric acid on a novel ruthenium(II) polypyridyl complex modified ZnO electrode for photo-stimulated fuel cells. **2014**, 136, 130-137		13
522	EDTA assisted synthesis of hydroxyapatite nanoparticles for electrochemical sensing of uric acid. **2014**, 42, 601-7		29
521	Engineered 2D nanomaterials/protein interfaces for efficient sensors. **2015**, 30, 3565-3574		8
520	Chemically Modified Graphene: The Influence of Structural Properties on the Assessment of Antioxidant Capacity. **2015**, 21, 11793-8		13

519	A Discussion on the Activity Origin in Metal-Free Nitrogen-Doped Carbons For Oxygen Reduction Reaction and their Mechanisms. **2015**, 8, 2772-88	97
518	Electrochemical Sensor for the Quantification of Dopamine Using Glassy Carbon Electrodes Modified with Single-Wall Carbon Nanotubes Covalently Functionalized with Polylysine. **2015**, 27, 1565-1571	10
517	Fabrication of Silver Nanoparticles Decorated on Activated Screen Printed Carbon Electrode and Its Application for Ultrasensitive Detection of Dopamine. **2015**, 27, 1998-2006	29
516	Electrochemical Sensing of Ascorbic Acid on ZnO-decorated Reduced Graphene Oxide Electrode. **2015**, 06,	1
515	Carbon Nanomaterials Based Electrochemical Sensors/Biosensors for the Sensitive Detection of Pharmaceutical and Biological Compounds. **2015**, 15, 22490-508	97
514	Biomolecules Electrochemical Sensing Properties of a PMo11V@N-Doped Few Layer Graphene Nanocomposite. **2015**, 3, 178-193	15
513	DNA induced FePt bimetallic nanoparticles on reduced graphene oxide for electrochemical determination of dopamine. **2015**, 31, 406-411	3
512	Fabrication of polypyrrole-grafted nitrogen-doped graphene and its application for electrochemical detection of paraquat. **2015**, 174, 464-471	34
511	Highly Sensitive and Selective Detection of Dopamine at Poly(chromotrope 2B)-Modified Glassy Carbon Electrode in the Presence of Uric Acid and Ascorbic Acid. **2015**, 173, 440-447	41
510	Poly(ionic liquids) functionalized polypyrrole/graphene oxide nanosheets for electrochemical sensor to detect dopamine in the presence of ascorbic acid. *Biosensors and Bioelectronics*, **2015**, 70, 289-98 11.8	113
509	Graphene oxide-Ag/poly-l-lysine modified glassy carbon electrode as an electrochemical sensor for the determination of dopamine in the presence of ascorbic acid. **2015**, 759, 113-121	35
508	Electrodeposition synthesis of reduced graphene oxide□arbon nanotube hybrids on indium tin oxide electrode for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. **2015**, 5, 106307-106314	33
507	A non-enzymatic thermally reduced Cu nanoparticle based graphene-resorcinol benzaldehyde glucose sensor. **2015**, 19, 91-96	5
506	One-step and rapid synthesis of nitrogen and sulfur co-doped graphene for hydrogen peroxide and glucose sensing. **2015**, 742, 8-14	38
505	Hierarchical nanoporous platinum-copper alloy for simultaneous electrochemical determination of ascorbic acid, dopamine, and uric acid. **2015**, 182, 1345-1352	42
504	Facile synthesis of porous bimetallic alloyed PdAg nanoflowers supported on reduced graphene oxide for simultaneous detection of ascorbic acid, dopamine, and uric acid. **2015**, 140, 3183-92	80
503	Hydrothermal synthesis of Fe2O3/graphene nanocomposite for selective determination of ascorbic acid in the presence of uric acid. **2015**, 158, 264-270	37
502	Three-dimensional activated graphene network-sulfonate-terminated polymer nanocomposite as a new electrode material for the sensitive determination of dopamine and heavy metal ions. **2015**, 140, 1647-54	15

501	ZnO-CuxO/polypyrrole nanocomposite modified electrode for simultaneous determination of ascorbic acid, dopamine, and uric acid. **2015**, 473, 53-62	91
500	The determination of uric acid in human body fluid samples using glassy carbon electrode activated by a simple electrochemical method. **2015**, 19, 435-443	16
499	Simultaneous determination of ascorbic acid, uric acid, tryptophan and adenine using carbon-supported NiCoO2 nanoparticles. **2015**, 210, 232-240	37
498	Nitrogen-doped graphene modified electrode for nimodipine sensing. **2015**, 212, 207-213	36
497	Synthesis of Nitrogen Doped Multilayered Graphene Flakes: Selective Non-enzymatic Electrochemical Determination of Dopamine and Uric Acid in presence of Ascorbic Acid.. **2015**, 27, 1253-1261	11
496	Silver nanoparticles anchored on nitrogen-doped graphene as a novel electrochemical biosensing platform with enhanced sensitivity for aptamer-based pesticide assay. **2015**, 140, 6404-11	65
495	Simultaneous voltammetric determination of dopamine and uric acid based on Langmuir□Blodgett film of calixarene modified glassy carbon electrode. **2015**, 221, 1586-1593	15
494	Recent trends in carbon nanomaterial-based electrochemical sensors for biomolecules: A review. **2015**, 887, 17-37	341
493	Green and large-scale one-pot synthesis of small-sized graphene-bridged manganese dioxide nanowire network as new electrode material for electrochemical sensing. **2015**, 76, 341-348	10
492	Nanodiamond/nitrogen-doped graphene (core/shell) as an effective and stable metal-free electrocatalyst for oxygen reduction reaction. **2015**, 174, 1017-1022	16
491	Electrochemical detection of amyloid-□oligomer with the signal amplification of alkaline phosphatase plus electrochemical□hemical□hemical redox cycling. **2015**, 754, 40-45	36
490	NiCo-embedded in hierarchically structured N-doped carbon nanoplates for the efficient electrochemical determination of ascorbic acid, dopamine, and uric acid. **2015**, 5, 65532-65539	19
489	Simultaneous determination of ascorbic acid, dopamine, uric acid and folic acid based on activated graphene/MWCNT nanocomposite loaded Au nanoclusters. **2015**, 221, 659-665	119
488	A rapid, sensitive and selective colorimetric method for detection of ascorbic acid. **2015**, 221, 708-716	65
487	Ultra-Selective Dopamine Detection in an Excess of Ascorbic Acid and Uric Acid Using Pristine Palladium Nanoparticles Decorated Graphene Modified Glassy Carbon Electrode. **2015**, 162, H651-H660	12
486	Preparation of Graphene-Modified Acupuncture Needle and Its Application in Detecting Neurotransmitters. **2015**, 5, 11627	34
485	Electrochemical Sensors Using Two-Dimensional Layered Nanomaterials. **2015**, 27, 1062-1072	36
484	Non-enzymatic glucose sensing by enhanced Raman spectroscopy on flexible 'as-grown' CVD graphene. **2015**, 140, 3935-41	9

483	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid, at a Graphene Paste Electrode Modified with Functionalized Graphene Sheets. **2015**, 27, 1394-1402		11
482	Simultaneous determination of uric acid, dopamine and ascorbic acid based on poly(bromocresol green) modified glassy carbon electrode. **2015**, 748, 1-7		42
481	Electrochemical study of biologically relevant molecules at electrodes constructed from GUITAR, a new carbon allotrope. **2015**, 122, 39-44		12
480	Edge promoted ultrasensitive electrochemical detection of organic bio-molecules on epitaxial graphene nanowalls. *Biosensors and Bioelectronics*, **2015**, 70, 137-44	11.8	28
479	Doped graphene: synthesis, properties and bioanalysis. **2015**, 5, 49521-49533		42
478	Microwave-assisted preparation of N-doped carbon dots as a biosensor for electrochemical dopamine detection. **2015**, 452, 199-202		58
477	Recent advances in electrochemical biosensing schemes using graphene and graphene-based nanocomposites. **2015**, 84, 519-550		167
476	On-demand doping of graphene by stamping with a chemically functionalized rubber lens. **2015**, 9, 4354-61		14
475	Highly sensitive detection of quantal dopamine secretion from pheochromocytoma cells using neural microelectrode array electrodeposited with polypyrrole graphene. **2015**, 7, 7619-26		30
474	Fabrication and electrochemical characterization of dopamine-sensing electrode based on modified graphene nanosheets. **2015**, 7, 9317-9323		34
473	Two-Electron Oxidation of Dopamine Controlled by Surface Modification of Few-Layer Graphene. **2015**, 180, 43-52		3
472	Simultaneous determination of uric acid, xanthine and hypoxanthine based on sulfonic groups functionalized nitrogen-doped graphene. **2015**, 756, 22-29		26
471	Facile synthesis of enzyme-embedded magnetic metal-organic frameworks as a reusable mimic multi-enzyme system: mimetic peroxidase properties and colorimetric sensor. **2015**, 7, 18770-9		178
470	Hydrothermal Synthesis of Boron-Doped Graphene for Electrochemical Sensing of Guanine. **2015**, 162, B332-B336		12
469	Graphene-Based Bulk-Heterojunction Solar Cells: A Review. **2015**, 15, 6237-78		56
468	Simultaneous Detection of Ascorbic Acid, Dopamine and Uric Acid Using Carboxyl-C60 Modified Electrodes. **2015**, 162, 62-68		
467	Graphene decorated microelectrodes for simultaneous detection of ascorbic, dopamine, and folic acids by means of chemical vapor deposition. **2015**, 48, 375301		2
466	Fabrication of a silver nanowire-reduced graphene oxide-based electrochemical biosensor and its enhanced sensitivity in the simultaneous determination of ascorbic acid, dopamine, and uric acid. **2015**, 3, 9444-9453		54

465	Determination of Dopamine by Dual Doped Graphene-Fe2O3in Presence of Ascorbic Acid. **2015**, 162, B363-B369		27
464	A new electrochemical aptasensor based on electrocatalytic property of graphene toward ascorbic acid oxidation. **2015**, 134, 699-704		13
463	Graphene oxide-assisted dispersion of carbon nanotubes in sulfonated chitosan-modified electrode for selective detections of dopamine, uric acid, and ascorbic acid. **2015**, 736, 132-138		28
462	The influence of uric and ascorbic acid on the electrochemical detection of dopamine using graphene-modified electrodes. **2015**, 154, 197-204		79
461	Graphene for Glucose, Dopamine, Ascorbic Acid, and Uric Acid Detection. **2015**, 57-79		
460	Biocompatible Graphene for Bioanalytical Applications. **2015**,		8
459	A new aptamer/graphene interdigitated gold electrode piezoelectric sensor for rapid and specific detection of Staphylococcus aureus. *Biosensors and Bioelectronics*, **2015**, 65, 314-9	11.8	159
458	Facile synthesis of laminated graphene for advanced supercapacitor electrode material via simultaneous reduction and N-doping. **2015**, 274, 851-861		43
457	Nafion covered core-shell structured Fe3O4@graphene nanospheres modified electrode for highly selective detection of dopamine. **2015**, 853, 285-290		70
456	Synthesis of short graphene oxide nanoribbons for improved biomarker detection of Parkinson's disease. *Biosensors and Bioelectronics*, **2015**, 67, 327-33	11.8	22
455	Synthesis and utilisation of graphene for fabrication of electrochemical sensors. **2015**, 131, 424-43		141
454	Urea-treated carbon nanofibers as efficient catalytic materials for oxygen reduction reaction. **2015**, 273, 810-815		25
453	A novel non-enzyme amperometric platform based on poly(3-methylthiophene)/nitrogen doped graphene modified electrode for determination of trace amounts of pesticide phoxim. **2015**, 206, 495-501		24
452	A Voltammetric Sensor Based on Chemically Reduced Graphene Oxide-Modified Screen-Printed Carbon Electrode for the Simultaneous Analysis of Uric Acid, Ascorbic Acid and Dopamine. **2016**, 4, 25		20
451	Simultaneous Detection of Dopamine and Uric Acid Using a Poly(l-lysine)/Graphene Oxide Modified Electrode. **2016**, 6,		31
450	3D nanostructured inkjet printed graphene via UV-pulsed laser irradiation enables paper-based electronics and electrochemical devices. **2016**, 8, 15870-9		93
449	Watsonia meriana flower like Fe3O4/reduced graphene oxide nanocomposite for the highly sensitive and selective electrochemical sensing of dopamine. **2016**, 688, 500-512		50
448	Effect of Amine Adlayer on Electrochemical Uric Acid Sensor Conducted on Electrochemically Reduced Graphene Oxide. **2016**, 37, 276-281		

447	Ultrathin MXene-Micropattern-Based Field-Effect Transistor for Probing Neural Activity. **2016**, 28, 3333-9		356
446	The Sensitive Turn-On Fluorescence Detection of Ascorbic Acid Based on Iron(III)-Modulated Nitrogen-Doped Graphene Quantum Dots. **2016**, 26, 1755-62		23
445	An enzyme free Vitamin C augmented sensing with different ZnO morphologies on SnO2/F transparent glass electrode: A comparative study. **2016**, 69, 769-79		16
444	Electrochemical sensors and biosensors for determination of catecholamine neurotransmitters: A review. **2016**, 160, 653-679		105
443	Partially Hydrogenated Graphene Materials Exhibit High Electrocatalytic Activities Related to Unintentional Doping with Metallic Impurities. **2016**, 22, 8627-34		11
442	Doped Graphene for DNA Analysis: the Electrochemical Signal is Strongly Influenced by the Kind of Dopant and the Nucleobase Structure. **2016**, 6, 33046		22
441	Inherently-Forced Tensile Strain in Nanodiamond-Derived Onion-like Carbon: Consequences in Defect-Induced Electrochemical Activation. **2016**, 6, 23913		7
440	The Application of Poly(Glutathione Disulfide)-poly(L-lysine) Multilayer Films for the Enantioselective Interaction with Ascorbic Acid and Isoascorbic Acid. **2016**, 163, B744-B750		5
439	Graphene in therapeutics delivery: Problems, solutions and future opportunities. **2016**, 104, 235-50		149
438	High-quality molybdenum disulfide nanosheets with 3D structure for electrochemical sensing. **2016**, 385, 63-71		17
437	Three-dimensional graphene-like carbon frameworks as a new electrode material for electrochemical determination of small biomolecules. *Biosensors and Bioelectronics*, **2016**, 85, 618-624	11.8	39
436	An electrochemical aptasensor for sensitive and selective detection of dopamine based on signal amplification of electrochemical-chemical redox cycling. **2016**, 775, 58-63		21
435	Integration of Ecyclodextrin into graphene quantum dot nano-structure and its application towards detection of Vitamin C at physiological pH: A new electrochemical approach. **2016**, 67, 666-674		46
434	A novel dopamine sensor based on Mo doped reduced graphene oxide/polyimide composite membrane. **2016**, 685, 167-174		21
433	Graphene quantum dots and Nafion composite as an ultrasensitive electrochemical sensor for the detection of dopamine. **2016**, 8, 4912-4918		41
432	A highly sensitive and stable electrochemical sensor for simultaneous detection towards ascorbic acid, dopamine, and uric acid based on the hierarchical nanoporous PtTi alloy. *Biosensors and Bioelectronics*, **2016**, 82, 119-26	11.8	181
431	An electrochemical sensor for selective detection of dopamine based on nickel tetrasulfonated phthalocyanine functionalized nitrogen-doped graphene nanocomposites. **2016**, 779, 92-98		53
430	Fabrication of hierarchically mesoporous CuO nanostructures and their role as heterogenous catalysts and sensors. **2016**, 6, 42807-42818		7

429	Sensitive electrochemical determination of dopamine and uric acid using AuNPs(EDAS)□GO nanocomposites. **2016**, 8, 4379-4390	17
428	Simultaneous and Interference-Free Detection of Hydroquinone and Catechol on Poly (Evans Blue)-Modified Glassy Carbon Electrode. **2016**, 163, B556-B562	9
427	Synthesis of carbon nanoparticle embedded graphene for sensitive and selective determination of dopamine and ascorbic acid in biological fluids. **2016**, 6, 100723-100731	15
426	Highly Sensitive Determination of Ascorbic Acid, Dopamine and Uric Acid Using Mesoporous Nitrogen Containing Carbon. **2016**, 179-186	
425	Field-Effect Transistors, Sensors and Transparent Conductive Films. **2016**, 231-256	1
424	Simultaneous determination of dopamine and uric acid in the presence of high ascorbic acid concentration using cetyltrimethylammonium bromide□olyaniline/activated charcoal composite. **2016**, 6, 100605-100613	30
423	Electropolymerization of a conductive □yclodextrin polymer on reduced graphene oxide modified screen-printed electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. **2016**, 782, 50-58	52
422	2D Hexagonal Boron Nitride (2D-hBN) Explored for the Electrochemical Sensing of Dopamine. **2016**, 88, 9729-9737	115
421	A novel nitrogen-doped graphene fiber microelectrode with ultrahigh sensitivity for the detection of dopamine. **2016**, 72, 122-125	27
420	Human-Like Sensing and Reflexes of Graphene-Based Films. **2016**, 3, 1600130	28
419	A non-covalent functionalization of copper tetraphenylporphyrin/chemically reduced graphene oxide nanocomposite for the selective determination of dopamine. **2016**, 30, 40-46	22
418	Modulation of Electrochemical Properties of Graphene Oxide by Photochemical Reduction Using UV-Light Emitting Diodes. **2016**, 1, 1168-1175	11
417	Ionic Liquid and Nitrogen Doped Carbon Nanotubes Composite Material for Sensitive and Selective Detection of Dopamine. **2016**, 28, 2373-2381	5
416	Highly sensitive biosensor based on the synergistic effect of Fe3O4□o3O4 bimetallic oxides and graphene. **2016**, 6, 82033-82039	14
415	Amperometric sensor for ascorbic acid using a gold electrode modified with ZnO@SiO2 nanospheres. **2016**, 40, 8438-8443	16
414	A cost-effective disposable graphene-modified electrode decorated with alternating layers of Au NPs for the simultaneous detection of dopamine and uric acid in human urine. **2016**, 6, 80756-80765	52
413	Functionalized Graphene Quantum Dots with Bi-Metallic Nanoparticles Composite: Sensor Application for Simultaneous Determination of Ascorbic Acid, Dopamine, Uric Acid and Tryptophan. **2016**, 163, B718-B725	78
412	Biotechnology and Biochemical Engineering. **2016**,	0

411	Fabrication of reduced graphene oxideBimetallic Pd@Au nanocomposites for simultaneous determination of ascorbic acid, dopamine and uric acid. **2016**, 6, 92502-92509	13
410	Metal-organic frameworks as biosensors for luminescence-based detection and imaging. **2016**, 6, 20160027	109
409	Recent Advances in Electrochemical Analytical Methods Involving Metal Enolates. **2016**, 1-36	
408	Manipulation of defect density and nitrogen doping on few-layer graphene sheets using the plasma methodology for electrochemical applications. **2016**, 221, 144-153	10
407	Doped and undoped graphene platforms: the influence of structural properties on the detection of polyphenols. **2016**, 6, 20673	12
406	Molecular Signature of Pseudomonas aeruginosa with Simultaneous Nanomolar Detection of Quorum Sensing Signaling Molecules at a Boron-Doped Diamond Electrode. **2016**, 6, 30001	40
405	GRAPHENE-BASED NANOSYSTEMS FOR THE DETECTION OF PROTEINIC BIOMARKERS OF DISEASE. **2016**, 377-399	2
404	A novel N-doped carbon nanotube fiber for selective and reliable electrochemical determination of ascorbic acid in rat brain microdialysates. **2016**, 781, 278-283	10
403	Development and Application of a Sensor Based on Carbonaceous Materials and Cobalt Phthalocyanine Composite for Electrochemical Determination of Uric Acid. **2016**, 28, 1348-1355	11
402	Electrochemical behavior of dopamine on La@C82-COOH/C60-COOH/C70-COOH modified electrodes. **2016**, 171, 131-139	2
401	A facile one-pot synthesis of carbon nitride dots-reduced graphene oxide nanocomposites for simultaneous enhanced detecting of dopamine and uric acid. **2016**, 141, 4757-65	18
400	Electrocatalytic oxidation of nitrite using metal-free nitrogen-doped reduced graphene oxide nanosheets for sensitive detection. **2016**, 155, 329-35	40
399	Detection of dopamine using carboxyl-La@C82 modified gold electrodes. **2016**, 170, 112-119	
398	Carbon nanomaterials for simultaneous determination of dopamine and uric acid in the presence of ascorbic acid: from one-dimensional to the quasi one-dimensional. **2016**, 190, 40-48	28
397	Highly sensitive and selective electrochemical dopamine sensing properties of multilayer graphene nanobelts. **2016**, 27, 075504	35
396	Biosensor Application of Carbonaceous Nanocoil Material: Preparation, Characterization, and Determination of Dopamine and Uric Acid in the Presence of Ascorbic Acid. **2016**, 163, H269-H277	10
395	Single-crystal Au microflakes modulated by amino acids and their sensing and catalytic properties. **2016**, 467, 115-120	10
394	A glassy carbon electrode modified with a nanocomposite consisting of MoS2 and reduced graphene oxide for electrochemical simultaneous determination of ascorbic acid, dopamine, and uric acid. **2016**, 183, 257-263	94

393	A new sensor based on In doped CeO2 nanoparticles modified glassy carbon paste electrode for sensitive determination of uric acid in biological fluids. **2016**, 224, 868-877		52
392	Electrochemical characterisation of poly(3,4-ethylenedioxythiophene) film modified glassy carbon electrodes prepared in deep eutectic solvents for simultaneous sensing of biomarkers. **2016**, 187, 704-713		45
391	Mesoporous nitrogen containing carbon materials for the simultaneous detection of ascorbic acid, dopamine and uric acid. **2016**, 230, 544-555		66
390	Highly selective dopamine sensor based on graphene quantum dots self-assembled monolayers modified electrode. **2016**, 767, 84-90		46
389	An electrochemical sensor based on graphene/poly(brilliant cresyl blue) nanocomposite for determination of epinephrine. **2016**, 763, 25-31		38
388	Reduced graphene oxide nanosheets functionalized with poly(styrene sulfonate) as a peroxidase mimetic in a colorimetric assay for ascorbic acid. **2016**, 183, 1847-1853		73
387	Determination of Ascorbic Acid by a Gold–Zinc Oxide Nanoparticle-Modified Glassy Carbon Electrode. **2016**, 49, 2207-2222		2
386	Electrochemical investigation of a metalloporphyrin–graphene composite modified electrode and its electrocatalysis on Ascorbic Acid. **2016**, 760, 105-112		19
385	TEMPO-functionalized zinc phthalocyanine: synthesis, magnetic properties, and its utility for electrochemical sensing of ascorbic acid. **2016**, 45, 3086-92		21
384	Supportless electrochemical sensor based on molecularly imprinted polymer modified nanoporous microrod for determination of dopamine at trace level. *Biosensors and Bioelectronics*, **2016**, 78, 308-314	11.8	92
383	Platinum nanoparticles supported MoS2 nanosheet for simultaneous detection of dopamine and uric acid. **2016**, 59, 332-337		22
382	Controlled functionalization of flexible graphene fibers for the simultaneous determination of ascorbic acid, dopamine and uric acid. **2016**, 224, 225-232		56
381	Dumbbell-shaped carbon quantum dots/AuNCs nanohybrid as an efficient ratiometric fluorescent probe for sensing cadmium (II) ions and l-ascorbic acid. **2016**, 96, 1034-1042		145
380	Simultaneous electrochemical determination of ascorbic acid and uric acid using poly(glyoxal-bis(2-hydroxyanil)) modified glassy carbon electrode. **2016**, 224, 55-64		29
379	3D nitrogen-doped graphene aerogel: A low-cost, facile prepared direct electrode for H2O2 sensing. **2016**, 222, 567-573		59
378	Synthesis of graphene and related two-dimensional materials for bioelectronics devices. *Biosensors and Bioelectronics*, **2017**, 89, 28-42	11.8	46
377	Electrochemical Determination of Uric Acid Using a Multiwalled Carbon Nanotube Platinum–Nickel Alloy Glassy Carbon Electrode. **2017**, 50, 91-104		11
376	A highly sensitive dopamine sensor based on a polyaniline/reduced graphene oxide/Nafion nanocomposite. **2017**, 28, 41-48		50

375	Electrochemical sensors and biosensors based on less aggregated graphene. *Biosensors and Bioelectronics*, **2017**, 89, 167-186	11.8	88
374	Simultaneous voltammetric determination of dopamine and uric acid using carbon-encapsulated hollow Fe3O4 nanoparticles anchored to an electrode modified with nanosheets of reduced graphene oxide. **2017**, 184, 843-853		38
373	Functionalised carbon nano spheres modified electrode for simultaneous determination of dopamine and uric acid. **2017**, 787, 95-102		14
372	A Poly(trypan blue)-Modified Anodized Glassy Carbon Electrode for the Sensitive Detection of Dopamine in the Presence of Uric Acid and Ascorbic Acid. **2017**, 164, B34-B39		6
371	Evaluation of a New Biosensor Based on in Situ Synthesized PPy-Ag-PVP Nanohybrid for Selective Detection of Dopamine. **2017**, 121, 1118-1127		38
370	Enabling Inkjet Printed Graphene for Ion Selective Electrodes with Postprint Thermal Annealing. **2017**, 9, 12719-12727		47
369	Phosphorus doped and defects engineered graphene for improved electrochemical sensing: synergistic effect of dopants and defects. **2017**, 231, 557-564		38
368	Dendritic unzipped carbon nanofibers enable uniform loading of surfactant-free Pd nanoparticles for the electroanalysis of small biomolecules. **2017**, 5, 2254-2262		2
367	Nanostructured material-based biofuel cells: recent advances and future prospects. **2017**, 46, 1545-1564		199
366	Investigation on the ability of heteroatom-doped graphene for biorecognition. **2017**, 9, 3530-3536		7
365	Facile production of graphene nanosheets comprising nitrogen-doping through in situ cathodic plasma formation during electrochemical exfoliation. **2017**, 5, 2597-2602		25
364	Water based homogenous carbon ink modified electrode as an efficient sensor system for simultaneous detection of ascorbic acid, dopamine and uric acid. **2017**, 233, 92-104		47
363	Electrochemical determination of dopamine using a glassy carbon electrode modified with TiN-reduced graphene oxide nanocomposite. **2017**, 247, 61-69		41
362	Surfactant exfoliated 2D hexagonal Boron Nitride (2D-hBN) explored as a potential electrochemical sensor for dopamine: surfactants significantly influence sensor capabilities. **2017**, 142, 1756-1764		22
361	Au nanoparticles anchored on Ni(OH)2 nanowires with multiple cavities for selective electrochemical detection of dopamine. **2017**, 9, 2812-2820		7
360	A gold electrode modified with a three-dimensional graphene-DNA composite for sensitive voltammetric determination of dopamine. **2017**, 184, 2949-2957		11
359	A versatile sensor for determination of seven species based on NiFe nanoparticles. **2017**, 797, 61-68		13
358	Simultaneous Detection of Dopamine and Uric Acid on Indium Tin Oxides Modified with Cost-effective Gas-phase Synthesized Single Walled Carbon Nanotubes. **2017**, 29, 1925-1933		6

357	Nitrogen-doped graphene: effect of graphite oxide precursors and nitrogen content on the electrochemical sensing properties. **2017**, 19, 15914-15923	24
356	Electrochemical Properties of Highly Sensitive and Selective CuO Nanostructures Based Neurotransmitter Dopamine Sensor. **2017**, 29, 2106-2113	5
355	Poly(Ecyclodextrin)/carbon quantum dots modified glassy carbon electrode: Preparation, characterization and simultaneous electrochemical determination of dopamine, uric acid and tryptophan. **2017**, 252, 9-16	77
354	A chemically reduced graphene oxideAu nanocage composite for the electrochemical detection of dopamine and uric acid. **2017**, 9, 3819-3824	15
353	Highly sensitive and simultaneous detection of dopamine and uric acid at graphene nanoplatelet-modified fluorine-doped tin oxide electrode in the presence of ascorbic acid. **2017**, 792, 54-60	55
352	Seed-mediated grown silver nanoparticles as a colorimetric sensor for detection of ascorbic acid. **2017**, 180, 204-210	38
351	Partially Reduced Graphene Oxide Modified Tetrahedral Amorphous Carbon Thin-Film Electrodes as a Platform for Nanomolar Detection of Dopamine. **2017**, 121, 8153-8164	16
350	Selective electrocatalysis of reduced graphene oxide towards hydrogen peroxide aiming oxidases-based biosensing: Caution while interpreting. **2017**, 223, 1-7	5
349	Simultaneous determination of dopamine and ascorbic acid using Ecyclodextrin/Au nanoparticles/graphene-modified electrodes. **2017**, 9, 664-671	25
348	CuO nanoparticles supported on nitrogen and sulfur co-doped graphene nanocomposites for non-enzymatic glucose sensing. **2017**, 19, 1	13
347	Preparation of N-Doped Graphene by Hydrothermal Method and Interpretation of N-Doped Mechanism. **2017**, 12, 1750018	17
346	A novel electrochemical platform for sensitive and simultaneous determination of dopamine, uric acid and ascorbic acid based on Fe3O4SnO2Gr ternary nanocomposite. **2017**, 131, 120-129	99
345	Doping two-dimensional materials: ultra-sensitive sensors, band gap tuning and ferromagnetic monolayers. **2017**, 2, 72-80	60
344	Surfactant-free synthesis of three-dimensional nitrogen-doped hierarchically porous carbon and its application as an electrode modification material for simultaneous sensing of ascorbic acid, dopamine and uric acid. **2017**, 142, 478-484	27
343	One-Pot Synthesis of Reduced Graphene Oxide/Metal (Oxide) Composites. **2017**, 9, 37962-37971	39
342	Nickel–cobalt double hydroxide nanosheets wrapped amorphous Ni(OH)2 nanoboxes: development of dopamine sensor with enhanced electrochemical properties. **2017**, 41, 13076-13084	19
341	A modularized and flexible sensor based on MWCNT/PDMS composite film for on-site electrochemical analysis. **2017**, 806, 68-74	10
340	Electroanalytical Applications of Graphene. **2017**, 119-137	

339	One pot green synthesis of MnCO3@GO composite hybrid superstructure: application to lithium ion battery and biosensor. **2017**, 41, 12854-12865		23
338	KOH assisted activation of microwave exfoliated graphite oxide for selective voltammetric determination of dopamine and uric acid in the presence of ascorbic acid. **2017**, 804, 72-77		8
337	Electrochemical dopamine sensor based on P-doped graphene: Highly active metal-free catalyst and metal catalyst support. **2017**, 81, 452-458		32
336	A redox-modulated fluorescent strategy for the highly sensitive detection of metabolites by using graphene quantum dots. **2017**, 990, 150-156		4
335	Economical, facile synthesis of network-like carbon nanosheets and their use as an enhanced electrode material for sensitive detection of ascorbic acid. **2017**, 7, 32020-32026		5
334	Adatom doping-enriched geometric and electronic properties of pristine graphene: a method to modify the band gap. **2017**, 28, 1311-1318		3
333	Combined effects of dopants and electric field on interactions of dopamine with graphene. **2017**, 685, 385-394		8
332	Plasmonic and photo-electrochemical enhancements of the AuAg@Au/RGO-CN nanocomposite for the detection of DA. **2017**, 142, 4852-4861		16
331	CVD graphene incorporating polymerized L-cysteine as an electrochemical sensing platform for simultaneous determination of dopamine and ascorbic acid. **2017**, 9, 6689-6697		14
330	Graphene oxide electrochemistry: the electrochemistry of graphene oxide modified electrodes reveals coverage dependent beneficial electrocatalysis. **2017**, 4, 171128		47
329	Electropolymerization fabrication of three-dimensional N, P-co-doped carbon network as a flexible electrochemical dopamine sensor. **2017**, 253, 1113-1119		20
328	3DGH-Fc based electrochemical sensor for the simultaneous determination of ascorbic acid, dopamine and uric acid. **2017**, 799, 459-467		26
327	Synthesis of Multifunctional Electrically Tunable Fluorine-Doped Reduced Graphene Oxide at Low Temperatures. **2017**, 9, 24179-24189		37
326	Electrodeposited reduced graphene oxide incorporating polymerization of l-lysine on electrode surface and its application in simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid. **2017**, 70, 241-249		71
325	Fabrication of 1,4-bis(aminomethyl)benzene and cobalt hydroxide @ graphene oxide for selective detection of dopamine in the presence of ascorbic acid and serotonin. **2017**, 240, 297-307		58
324	Efficient streptavidin-functionalized nitrogen-doped graphene for the development of highly sensitive electrochemical immunosensor. *Biosensors and Bioelectronics*, **2017**, 89, 312-318	11.8	52
323	Preparation of CoO/crumpled graphene microsphere as peroxidase mimetic for colorimetric assay of ascorbic acid. *Biosensors and Bioelectronics*, **2017**, 89, 846-852	11.8	88
322	Graphene incorporated, N doped activated carbon as catalytic electrode in redox active electrolyte mediated supercapacitor. **2017**, 337, 25-35		68

321	Simultaneous determination of ascorbic acid and caffeine in commercial soft drinks using reversed-phase ultraperformance liquid chromatography. **2017**, 25, 285-292		33
320	Electrocatalytic Detection of Uric Acid on Nitrogen-Doped Graphene Modified Electrode and Its Application. **2017**, 64, 1360-1366		2
319	Nitrogen-Rich Polyacrylonitrile-Based Graphitic Carbons for Hydrogen Peroxide Sensing. **2017**, 17,		18
318	Electrochemical Biosensors Based on Nanostructured Carbon Black: A Review. **2017**, 2017, 1-14		64
317	Graphene-Paper Based Electrochemical Sensors. **2017**,		1
316	Iron Phthalocyanine Decorated Nitrogen-Doped Graphene Biosensing Platform for Real-Time Detection of Nitric Oxide Released from Living Cells. **2018**, 90, 4438-4444		53
315	Hierarchically structured CuFe2O4 ND@RGO composite for the detection of oxidative stress biomarker in biological fluids. **2018**, 5, 944-950		44
314	A Conducting Poly(N-(1-Naphthyl)ethylenediamine dihydrochloride) Nanofibers for the Sensitive and Interference-Free Detection of Dopamine. **2018**, 165, B89-B95		12
313	Electroanalysis moves towards paper-based printed electronics: carbon black nanomodified inkjet-printed sensor for ascorbic acid detection as a case study. **2018**, 265, 155-160		53
312	Portable electrochemical sensor based on 4-aminobenzoic acid-functionalized herringbone carbon nanotubes for the determination of ascorbic acid and uric acid in human fluids. *Biosensors and Bioelectronics*, **2018**, 109, 123-131	11.8	52
311	The individual role of pyrrolic, pyridinic and graphitic nitrogen in the growth kinetics of Pd NPs on N-rGO followed by a comprehensive study on ORR. **2018**, 43, 5690-5702		46
310	ReviewElectrochemical Detection of Uric Acid, Dopamine and Ascorbic Acid. **2018**, 165, B258-B267		45
309	Reduced graphene oxide/nile blue/gold nanoparticles complex-modified glassy carbon electrode used as a sensitive and label-free aptasensor for ratiometric electrochemical sensing of dopamine. **2018**, 1025, 154-162		109
308	Highly stable and regenerative graphene-diamond hybrid electrochemical biosensor for fouling target dopamine detection. *Biosensors and Bioelectronics*, **2018**, 111, 117-123	11.8	80
307	NaBH4 assisted scalable graphene production: A bottom-up preparative strategy without external energy input. **2018**, 140, 60-65		1
306	Simultaneous determination of ascorbic acid, dopamine and uric acid by a novel electrochemical sensor based on N/Ar RF plasma assisted graphene nanosheets/graphene nanoribbons. *Biosensors and Bioelectronics*, **2018**, 105, 236-242	11.8	44
305	A novel carbon/chitosan paste electrode for electrochemical detection of normetanephrine in the urine. **2018**, 22, 1983-1994		5
304	Graphene: from synthesis to engineering to biosensor applications. **2018**, 12, 1-20		19

303	Boron-doped carbon nanotubes as metal-free electrocatalyst for dye-sensitized solar cells: Heteroatom doping level effect on tri-iodide reduction reaction. **2018**, 375, 29-36		46
302	Graphene and its sensor-based applications: A review. **2018**, 270, 177-194		308
301	Innovations upon antioxidant capacity evaluation for cosmetics: A photoelectrochemical sensor exploitation based on N-doped graphene/TiO2 nanocomposite. **2018**, 259, 963-971		23
300	Fluorescent sensing of ascorbic acid based on iodine induced oxidative etching and aggregation of lysozyme-templated silver nanoclusters. **2018**, 1003, 49-55		26
299	Nanosized graphene sheets induced high electrochemical activity in pure carbon film. **2018**, 262, 173-181		22
298	Electrodeposition of poly(3,4-ethylenedioxythiophene)/reduced graphene oxide/manganese dioxide for simultaneous detection of uric acid, dopamine and ascorbic acid. **2018**, 820, 74-81		30
297	Additive manufacturing of electrochemical interfaces: Simultaneous detection of biomarkers. **2018**, 12, 43-50		26
296	One-step selective screening of bioactive molecules in living cells using sulfur-doped microporous carbon. *Biosensors and Bioelectronics*, **2018**, 109, 237-245	11.8	73
295	Ionic self-assembly of bundles of ultralong SC/MB nanobelts with enhanced electrocatalytic activity for detection of ascorbic acid. **2018**, 255, 1-9		2
294	MoS nanohybrid as a fluorescence sensor for highly selective detection of dopamine. **2018**, 143, 1691-1698		21
293	Modulating a D-□A type diarylethene for on-demand Cu2+ check via photo-switchable detection range and sensitivity. **2018**, 257, 77-86		6
292	Beneficial impact of oxygen on the electrochemical performance of dopamine sensors based on N-doped reduced graphene oxides. **2018**, 257, 143-153		52
291	3D hierarchical bayberry-like Ni@carbon hollow nanosphere/rGO hybrid as a new interesting electrode material for simultaneous detection of small biomolecules. **2018**, 178, 608-615		21
290	Electrodeposited nanoporous ruthenium oxide for simultaneous quantification of ascorbic acid and uric acid using chronoamperometry at two different potentials. **2018**, 255, 316-324		19
289	Flexible sensor for dopamine detection fabricated by the direct growth of □Fe2O3 nanoparticles on carbon cloth. **2018**, 427, 387-395		30
288	Photochemical one-pot synthesis of reduced graphene oxide/Prussian blue nanocomposite for simultaneous electrochemical detection of ascorbic acid, dopamine, and uric acid. **2018**, 255, 2437-2447		60
287	An efficient electrode for simultaneous determination of guanine and adenine using nano-sized lead telluride with graphene. **2018**, 42, 564-573		22
286	Polymerized ionic liquid functionalized graphene oxide nanosheets as a sensitive platform for bisphenol A sensing. **2018**, 129, 21-28		36

285	Copper nanoclusters conjugated silica nanoparticles modified on carbon paste as an electrochemical sensor for the determination of dopamine. **2018**, 32, e4196		8
284	A glassy carbon electrode modified with poly(2,4-dinitrophenylhydrazine) for simultaneous detection of dihydroxybenzene isomers. **2017**, 185, 23		18
283	Chemical analysis in saliva and the search for salivary biomarkers - a tutorial review. **2017**, 143, 81-99		76
282	Catalytic electrode-redox electrolyte supercapacitor system with enhanced capacitive performance. **2018**, 335, 590-599		54
281	Electrochemical sensor based on novel two-dimensional nanohybrids: MoS2 nanosheets conjugated with organic copper nanowires for simultaneous detection of hydrogen peroxide and ascorbic acid. **2018**, 5, 112-119		26
280	A high-performance electrochemical sensor based on g-C3N4-E-PEDOT for the determination of acetaminophen. **2018**, 259, 994-1003		55
279	Ultrasensitive electrochemical detection of tumor cells based on multiple layer CdS quantum dots-functionalized polystyrene microspheres and graphene oxide - polyaniline composite. *Biosensors and Bioelectronics*, **2018**, 100, 1-7	11.8	48
278	Sensors: Chemically Modified Electrodes. **2018**, 161-161		2
277	Bioresource derived porous carbon from cottonseed hull for removal of triclosan and electrochemical application.. **2018**, 8, 42405-42414		11
276	Modified Electrodes for Selective Voltammetric Detection of Biomolecules. **2018**, 30, 2551-2574		13
275	Electrochemical reduced graphene oxide-poly(eriochrome black T)/gold nanoparticles modified glassy carbon electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. **2018**, 11, 1301-1312		19
274	Electrochemical determination of dopamine and uric acid using a glassy carbon electrode modified with a composite consisting of a Co(II)-based metalorganic framework (ZIF-67) and graphene oxide. **2018**, 185, 486		51
273	Biosynthesis of Copper Oxide (CuO) Nanowires and Their Use for the Electrochemical Sensing of Dopamine. **2018**, 8,		82
272	Stress-activated pyrolytic carbon nanofibers for electrochemical platforms. **2018**, 290, 639-648		7
271	Ultrafine PtNi bimetallic nanoparticles anchored on reduced graphene oxide nanocomposites for boosting electrochemical detection of dopamine in biological samples. **2018**, 42, 16891-16901		43
270	Flexible transparent electrodes for organic light-emitting diodes simply fabricated with AuCl3-modied graphene. **2018**, 63, 71-77		15
269	A highly sensitive and selective biosensor based on nitrogen-doped graphene for non-enzymatic detection of uric acid and dopamine at biological pH value. **2018**, 827, 34-41		12
268	Facile electrochemical pretreatment of multiwalled carbon nanotube - Polydimethylsiloxane paste electrode for enhanced detection of dopamine and uric acid. **2018**,		1

267	Nanoengineered material based biosensing electrodes for enzymatic biofuel cells applications. **2018**, 1, 38-48		43
266	Reagentless Detection of Low-Molecular-Weight Triamterene Using Self-Doped TiO Nanotubes. **2018**, 90, 7651-7658		14
265	All-inorganic perovskite quantum dot/TiO inverse opal electrode platform: stable and efficient photoelectrochemical sensing of dopamine under visible irradiation. **2018**, 10, 10505-10513		49
264	Biomedical Applications of Graphene Nanomaterials and Beyond. **2018**, 4, 2653-2703		123
263	Chemical sensing with 2D materials. **2018**, 47, 4860-4908		317
262	Smartphone-based integrated voltammetry system for simultaneous detection of ascorbic acid, dopamine, and uric acid with graphene and gold nanoparticles modified screen-printed electrodes. *Biosensors and Bioelectronics*, **2018**, 119, 55-62	11.8	107
261	The effect of N-configurations on selective detection of dopamine in the presence of uric and ascorbic acids using surfactant-free N-graphene modified ITO electrodes. **2018**, 286, 29-38		19
260	Nanomaterial based electrochemical sensors for the safety and quality control of food and beverages. **2018**, 143, 4537-4554		82
259	g-C3N4 nanofibers doped poly(3,4-ethylenedioxythiophene) modified electrode for simultaneous determination of ascorbic acid and acetaminophen. **2018**, 824, 52-59		26
258	Non-covalent control of spin-state in metal-organic complex by positioning on N-doped graphene. **2018**, 9, 2831		52
257	A simple ultrasensitive electrochemical sensor for simultaneous determination of gallic acid and uric acid in human urine and fruit juices based on zirconia-choline chloride-gold nanoparticles-modified carbon paste electrode. *Biosensors and Bioelectronics*, **2018**, 114, 30-36	11.8	65
256	Nano-functionalization of carbon-bonded alumina using graphene oxide and MWCNTs. **2018**, 38, 4732-4738		7
255	Synthesis and properties of phosphorus and sulfur co-doped graphene. **2018**, 42, 16093-16102		4
254	Experimental and Computational Study of Dopamine as an Electrochemical Probe of the Surface Nanostructure of Graphitized N-Doped Carbon. **2018**, 122, 20763-20773		23
253	Unique wettability phenomenon of carbon-bonded alumina with advanced nanocoating. **2018**, 13, 24-31		8
252	Spectrophotometric determination of ascorbic acid in foods with the use of vortex-assisted liquid-liquid microextraction. **2018**, 143, 160-165		18
251	3D-Ridge Stocked Layers of Nitrogen-Doped Mesoporous Carbon Nanosheets for Ultrasensitive Monitoring of Dopamine Released from PC12 Cells under K Stimulation. **2018**, 7, e1701459		49
250	ZnO nanosheet arrays/graphene foam: voltammetric determination of dopamine in the presence of ascorbic acid and uric acid. **2019**, 30, 16510-16517		8

249	Nafion-stabilized two-dimensional transition metal carbide (Ti3C2Tx MXene) as a high-performance electrochemical sensor for neurotransmitter. **2019**, 79, 338-344		55
248	Effect of La doping level on structural and sensing properties of LZO/RGO nanohybrid: Highly selective sensing platform for isoprenaline determinations in the presence of ascorbic acid, uric acid and folic acid. **2019**, 848, 113283		9
247	Electrochemical detection mechanism of dopamine and uric acid on titanium nitride-reduced graphene oxide composite with and without ascorbic acid. **2019**, 298, 126872		43
246	Enhanced Electrocatalytic Behaviour of Poy(aniline-co-2-hydroxyaniline) Coated Electrodes for Hydrogen Peroxide Electrooxidation. **2019**, 9, 631		3
245	A new electrochemical sensor for simultaneous determination of arbutin and vitamin C based on hydroxyapatite-ZnO-Pd nanoparticles modified carbon paste electrode. *Biosensors and Bioelectronics*, **2019**, 141, 111474	11.8	25
244	Morphology-Dependent Electrochemical Sensing Properties of Iron Oxide-Graphene Oxide Nanohybrids for Dopamine and Uric Acid. **2019**, 9,		60
243	Enhanced performance of pyrrolic N-doped reduced graphene oxide-modified glassy carbon electrodes for dopamine sensing. **2019**, 852, 113547		5
242	Enhanced Sensitivity of Dopamine Biosensors: An Electrochemical Approach Based on Nanocomposite Electrodes Comprising Polyaniline, Nitrogen-Doped Graphene, and DNA-Functionalized Carbon Nanotubes. **2019**, 166, B1415-B1425		16
241	Graphene and Graphene Composites-Modified Electrodes Surfaces for Selective Sensing of Dopamine in the Presence of Ascorbic Acid and Uric Acid. **2019**, 683-706		1
240	Manganese(II)-doped carbon dots as effective oxidase mimics for sensitive colorimetric determination of ascorbic acid. **2019**, 186, 745		22
239	Sulphur Doped Graphitic Carbon Nitride as an Efficient Electrochemical Platform for the Detection of Acetaminophen. **2019**, 166, B1461-B1469		16
238	Composites of Bimetallic Platinum-Cobalt Alloy Nanoparticles and Reduced Graphene Oxide for Electrochemical Determination of Ascorbic Acid, Dopamine, and Uric Acid. **2019**, 9, 12258		43
237	Ultrafine FeC nanoparticles embedded in N-doped graphitic carbon sheets for simultaneous determination of ascorbic acid, dopamine, uric acid and xanthine. **2019**, 186, 660		24
236	Modulating Electrode Kinetics for Discrimination of Dopamine by a PEDOT:COOH Interface Doped with Negatively Charged Tricarboxylate. **2019**, 11, 34497-34506		21
235	Two-Dimensional Materials in Biosensing and Healthcare: From Diagnostics to Optogenetics and Beyond. **2019**, 13, 9781-9810		142
234	Review on nanomaterials-enabled electrochemical sensors for ascorbic acid detection. **2019**, 586, 113415		44
233	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. **2019**, 91, 12844-12851		85
232	Simultaneous Electrochemical Determination of Acetaminophen and Dopamine Based on Metal-Organic Framework/Multiwalled Carbon Nanotubes-Au@Ag Nanocomposites. **2019**, 166, B1258-B1267		30

231	Electrodeposited NiO/graphene oxide nanocomposite: An enhanced voltammetric sensing platform for highly sensitive detection of uric acid, dopamine and ascorbic acid. **2019**, 852, 113516		15
230	Defect Engineering and Surface Functionalization of Nanocarbons for Metal-Free Catalysis. **2019**, 31, e1805717		88
229	Sandwich-structured nanoparticles-grafted functionalized graphene based 3D nanocomposites for high-performance biosensors to detect ascorbic acid biomolecule. **2019**, 9, 1226		51
228	Fabrication of Electro-Active Pt/IMo6O24/Graphene Oxide Nanohybrid Modified Electrode for the Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid. **2019**, 166, H351-H358		18
227	Nanosized iron telluride for simultaneous nanomolar voltammetric determination of dopamine, uric acid, guanine and adenine. **2019**, 43, 10590-10600		12
226	Atomic matching catalysis to realize a highly selective and sensitive biomimetic uric acid sensor. *Biosensors and Bioelectronics*, **2019**, 141, 111421	11.8	14
225	Facile mechanochemical preparation of nitrogen and fluorine co-doped graphene and its electrocatalytic performance. **2019**, 152, 274-283		9
224	Simultaneous electrochemical determination of levodopa and uric acid based on ZnS nanoparticles/3D graphene foam electrode. **2019**, 149, 103977		11
223	Synthesis of Cerium-Doped Zirconia Nanoparticles for the Electrochemical Detection of Dopamine by Modified Carbon Paste Electrode. **2019**, 4, 5839-5844		4
222	Facile, low-temperature synthesis of tungsten carbide (WC) flakes for the sensitive and selective electrocatalytic detection of dopamine in biological samples. **2019**, 6, 2024-2034		18
221	Facile Synthesis of MnO Nanoflowers/N-Doped Reduced Graphene Oxide Composite and Its Application for Simultaneous Determination of Dopamine and Uric Acid. **2019**, 9,		57
220	Permselectivity of Electrodeposited Polydopamine/Graphene Composite for Voltammetric Determination of Dopamine. **2019**, 31, 1744-1751		5
219	Tuning the luminescence of nitrogen-doped graphene quantum dots synthesized by pulsed laser ablation in liquid and their use as a selective photoluminescence on□off□on probe for ascorbic acid detection. **2019**, 150, 455-464		40
218	In Situ Polymerization of Aniline on Morphology-Controlled Ultrafine Manganese Oxyhydroxide for High-Performance Electrochemical Sensing Applications. **2019**, 166, H336-H342		4
217	Carbon nanopowder for sensing of an anticancer drug, raloxifene. **2019**, 2, 337-344		5
216	Electrochemical Detection of Uric Acid on Exfoliated Nanosheets of Graphitic-Like Carbon Nitride (g-C3N4) Based Sensor. **2019**, 166, B3163-B3170		31
215	A review on graphene-based nanocomposites for electrochemical and fluorescent biosensors.. **2019**, 9, 8778-8881		342
214	Electrochemical sensor based on conductive polyaniline coated hollow tin oxide nanoparticles and nitrogen doped graphene quantum dots for sensitively detecting dopamine. **2019**, 30, 8449-8456		17

213	Literature Review. **2019**, 17-81	
212	Synthesis of fluorescent tungsten disulfide by nitrogen atom doping and its application for mercury(II) detection. **2019**, 7, 4096-4101	8
211	High-Throughput 2D Heteroatom Graphene Bioelectronic Nanosculpture: A Combined Experimental and Theoretical Study. **2019**, 11, 11238-11250	5
210	Influence of carbon nanostructure and oxygen moieties on dopamine adsorption and charge transfer kinetics at glassy carbon surfaces. **2019**, 304, 221-230	8
209	Synthesis of CeO2/reduced graphene oxide nanocomposite for electrochemical determination of ascorbic acid and dopamine and for photocatalytic applications. **2019**, 12, 222-232	33
208	Ex Situ Hybridized Hexagonal Cobalt Oxide Nanosheets and RGO@MWCNT Based Nanocomposite for Ultra-Selective Electrochemical Detection of Ascorbic Acid, Dopamine, and Uric Acid. **2019**, 166, B304-B311	21
207	Developing New Criteria for Validity Evaluation of Analytical Methods. **2019**, 102, 1908-1916	3
206	Two-dimensional functionalised methacrylated graphene oxide nanosheets as simple and inexpensive electrodes for biosensing applications. **2019**, 14, 462-465	22
205	Developing New Criteria for Validity Evaluation of Analytical Methods. **2019**, 102, 1908-1916	2
204	Millepore species-like ultra-long carbon fiber/cobalt nickel and its electrochemical activity. **2019**, 6, 115621	
203	Chemical Sensors Based on Two-Dimensional (2D) Materials for Selective Detection of Ions and Molecules in Liquid. **2019**, 7, 708	40
202	Synthesis of the 3D graphene foam by chemical vapor deposition using nickel powders and application for simultaneous electrochemical detection of dopamine and uric acid. **2019**, 25, 1813-1823	5
201	Nanomaterials-Based Nanosensors for the Simultaneous Electrochemical Determination of Biologically Important Compounds: Ascorbic Acid, Uric Acid, and Dopamine. **2019**, 49, 101-125	31
200	Surface N-doped graphene sheets induced high electrocatalytic activity for selective ascorbic acid sensing. **2019**, 283, 556-562	12
199	A novel non-enzymatic zinc oxide thin film based electrochemical recyclable strip with device interface for quantitative detection of catechol in water. *Biosensors and Bioelectronics*, **2019**, 128, 32-36	11.8 7
198	Simultaneous determination of l-DOPA, l-tyrosine and uric acid by cysteic acid - modified glassy carbon electrode. **2019**, 98, 496-502	19
197	PtNi bimetallic nanoparticles loaded MoS nanosheets: Preparation and electrochemical sensing application for the detection of dopamine and uric acid. **2019**, 1055, 17-25	61
196	Two-dimensional Ɛconjugated metal-organic framework with high electrical conductivity for electrochemical sensing. **2019**, 66, 522-528	13

195	Metallo-phthalocyanines containing thiazole moieties: Synthesis, characterization, electrochemical and spectroelectrochemical properties and sensor applications. **2019**, 832, 254-265	16
194	Non-volatile, Li-doped ion gel electrolytes for flexible WO3-based electrochromic devices. **2019**, 162, 45-51	34
193	Preferential coordination of ruthenium complex as an electroactive self-assembled monolayer on gold substrate and its application in sensing of dopamine. **2019**, 99, 52-59	4
192	Investigating the electrochemical behaviour and detection of uric acid on ITO electrodes modified with differently doped N-graphene films. **2019**, 833, 160-168	17
191	Platinum nanoparticles□decorated graphene-modified glassy carbon electrode toward the electrochemical determination of ascorbic acid, dopamine, and paracetamol. **2019**, 22, 58-72	21
190	High sensitivity ammonia detection using metal nanoparticles decorated on graphene macroporous frameworks/polyaniline hybrid. **2019**, 197, 457-464	27
189	In-situ synthesis of gold nanocrystals anchored graphene oxide and its application in biosensor and chemical sensor. **2019**, 835, 329-337	22
188	Construction of multifunctional electrochemical sensor based on electroactivity-adjustable poly (ionic liquids)/reduced graphene oxide. **2019**, 197, 277-283	4
187	Graphene-Based Nanovehicles for Drug Delivery. **2019**, 77-111	3
186	Doped-Graphene Modified Electrochemical Sensors. **2019**, 67-87	2
185	Graphene□Clay-Based Hybrid Nanostructures for Electrochemical Sensors and Biosensors. **2019**, 235-274	16
184	A facile preparation of Au□SiO2 nanocomposite for simultaneous electrochemical detection of dopamine and uric acid. **2019**, 14, 82-91	38
183	Functional Nanomaterials and Nanostructures Enhancing Electrochemical Biosensors and Lab-on-a-Chip Performances: Recent Progress, Applications, and Future Perspective. **2019**, 119, 120-194	271
182	Graphene for Energy Storage and Conversion: Synthesis and Interdisciplinary Applications. **2020**, 3, 395-430	39
181	New opportunities for emerging 2D materials in bioelectronics and biosensors. **2020**, 13, 32-41	27
180	A sensitive sensing platform for acetaminophen based on palladium and multi-walled carbon nanotube composites and electrochemical detection mechanism. **2020**, 239, 121977	18
179	Tuning the type of nitrogen on N-RGO supported on N-TiO under ultrasonication/hydrothermal treatment for efficient hydrogen evolution - A mechanistic overview. **2020**, 64, 104866	7
178	Gold nanoclusters-poly(9,9-dioctylfluorenyl-2,7-diyl) dots@zeolitic imidazolate framework-8 (ZIF-8) nanohybrid based probe for ratiometric analysis of dopamine. **2020**, 1098, 102-109	17

177	Nitrogen, sulfur and oxygen co-doped carbon-armored Co/CoS rods (Co/CoS@N-S-O-C) as efficient activator of peroxymonosulfate for sulfamethoxazole degradation. **2020**, 387, 121669	29
176	Morphology-dependent MnO/nitrogen-doped graphene nanocomposites for simultaneous detection of trace dopamine and uric acid. **2020**, 109, 110615	98
175	Discrimination of single nucleotide polymorphisms by magnetic functionalized graphene oxide-based microchip system. **2020**, 858, 113738	3
174	High-Performance Intraocular Biosensors from Chitosan-Functionalized Nitrogen-Containing Graphene for the Detection of Glucose. **2020**, 6, 673-679	31
173	Dipole moment effects in dopamine/N-doped-graphene systems. **2020**, 693, 121546	1
172	Electrochemical determination of dopamine using a conductive polypyrrole/carbon-coated mesoporous silica composite electrode. **2020**, 50, 311-319	5
171	Effective electrochemical detection of dopamine with highly active molybdenum oxide nanoparticles decorated on 2, 6 diaminopyridine/reduced graphene oxide. **2020**, 153, 104501	22
170	Development and application of a novel electrochemical sensor based on AuNPS and difunctional monomer-MIPs for the selective determination of Tetrabromobisphenol-S in water samples. **2020**, 154, 104526	15
169	A composite film prepared from titanium carbide TiCT (MXene) and gold nanoparticles for voltammetric determination of uric acid and folic acid. **2019**, 187, 33	25
168	Simply synthesized nitrogen-doped graphene quantum dot (NGQD)-modified electrode for the ultrasensitive photoelectrochemical detection of dopamine. **2020**, 9, 3831-3839	17
167	Electrochemical activation of graphene sheets embedded carbon films for high sensitivity simultaneous determination of hydroquinone, catechol and resorcinol. **2020**, 305, 127495	41
166	Bio-assisted preparation of efficiently architectured nanostructures of □FeO as a molecular recognition platform for simultaneous detection of biomarkers. **2020**, 10, 15071	4
165	Three-dimensional hierarchical mesoporous carbon for regenerative electrochemical dopamine sensor. **2020**, 360, 137016	21
164	Simultaneous Detection of Paracetamol, Ascorbic Acid, and Caffeine Using a Bismuth□Silver Nanosensor. **2020**, 32, 3098-3107	3
163	Electrochemical synthesis and characterization of poly(thionine)-deep eutectic solvent/carbon nanotube-modified electrodes and application to electrochemical sensing. **2020**, 187, 609	9
162	Time-Based Sensor Interface for Dopamine Detection. **2020**, 67, 3284-3296	1
161	Nitrogen-Doped Graphene Aerogel for Simultaneous Detection of Dopamine and Ascorbic Acid in Artificial Cerebrospinal Fluid. **2020**, 167, 116521	4
160	Simultaneous Voltammetric Determination of Uric Acid, Xanthine, and Hypoxanthine Using $CoFe_2O_4$/Reduced Graphene Oxide-Modified Electrode. **2020**, 2020, 1-15	3

159	Electrochemical sensor based on CuSe for determination of dopamine. **2020**, 187, 440	17
158	Antireflection Improvement and Junction Quality Optimization of Si/PEDOT:PSS Solar Cell with the Introduction of Dopamine@Graphene. **2020**, 13, 5986	0
157	Nanoscale Hydroxyapatite for Electrochemical Sensing of Uric Acid: Roles of Mesopore Volume and Surface Acidity. **2020**, 3, 7761-7773	5
156	Heteroatom-doped graphene as sensing materials: a mini review.. **2020**, 10, 28608-28629	37
155	Three-Dimensional Graphite Filled Poly(Vinylidene Fluoride) Composites with Enhanced Strength and Thermal Conductivity. **2020**, 842, 63-68	1
154	N-Doped Reduced Graphene Oxide/Gold Nanoparticles Composite as an Improved Sensing Platform for Simultaneous Detection of Dopamine, Ascorbic Acid, and Uric Acid. **2020**, 20,	8
153	Platelet-structured strontium titanate perovskite decorated on graphene oxide as a nanocatalyst for electrochemical determination of neurotransmitter dopamine. **2020**, 44, 18431-18441	6
152	Nitrogen-Doped Carbon Quantum Dots from Poly(ethyleneimine) for Optical Dual-Mode Determination of Cu and l-Cysteine and Their Logic Gate Operation. **2020**, 12, 47245-47255	22
151	Exclusive Substitutional Nitrogen Doping on Graphene Decoupled from an Insulating Substrate. **2020**, 124, 22150-22157	4
150	A Promising Electrochemical Platform for Dopamine and Uric Acid Detection Based on a Polyaniline/Iron Oxide-Tin Oxide/Reduced Graphene Oxide Ternary Composite. **2020**, 25,	12
149	Pesticides. **2020**, 183-198	
148	Construction and application of a nonenzymatic ascorbic acid sensor based on a NiO1.0/polyaniline3.0 hybrid. **2020**, 44, 9288-9297	1
147	Recent progress of two-dimensional materials and metal□organic framework-based taste sensors. **2020**, 57, 353-367	14
146	Highly selective and sensitive simultaneous nanomolar detection of Cs(i) and Al(iii) ions using tripodal organic nanoparticles in aqueous media: the effect of the urea backbone on chemosensing.. **2020**, 10, 22691-22700	1
145	A nanocomposite of NiFe2O4□PANI as a duo active electrocatalyst toward the sensitive colorimetric and electrochemical sensing of ascorbic acid. **2020**, 2, 3481-3493	7
144	Electrochemistry of redox probes at thin films of carbon nano-onions produced by thermal annealing of nanodiamonds. **2020**, 353, 136495	11
143	Electrochemical sensors based on nitrogen-doped reduced graphene oxide for the simultaneous detection of ascorbic acid, dopamine and uric acid. **2020**, 842, 155873	49
142	Microstructures and electrothermal characterization of aromatic poly(azomethine ether)-derived carbon films. **2020**, 137, 49345	2

141	Interaction of 2D materials with liquids: wettability, electrochemical properties, friction, and emerging directions. **2020**, 12,	24
140	A metal-organic frameworks@ carbon nanotubes based electrochemical sensor for highly sensitive and selective determination of ascorbic acid. **2020**, 1209, 127986	16
139	Graphene Oxide Bulk-Modified Screen-Printed Electrodes Provide Beneficial Electroanalytical Sensing Capabilities. **2020**, 10,	13
138	A Deep Blue B,N-Doped Heptacene Emitter That Shows Both Thermally Activated Delayed Fluorescence and Delayed Fluorescence by Triplet-Triplet Annihilation. **2020**, 142, 6588-6599	71
137	One Pot Hydrothermal Synthesis of Large Area Nano Cube Like ZnSnO3 Perovskite for Simultaneous Sensing of Uric Acid and Dopamine Using Differential Pulse Voltammetry. **2020**, 20, 13212-13219	2
136	Ruthenium Nanoparticles Uniformly-designed Chemically Treated Graphene Oxide Nanosheets for Simultaneous Voltammetric Determination of Dopamine and Acetaminophen. **2020**, 32, 2156-2165	18
135	Simultaneous determination of dopamine, uric acid and estriol in maternal urine samples based on the synergetic effect of reduced graphene oxide, silver nanowires and silver nanoparticles in their ternary 3D nanocomposite. **2020**, 158, 105185	10
134	Electrochemical ascorbic acid sensor of composite film based on Keggin-type Vanadium-substituted Polyoxometalates decorated with graphene and Ru(bpy)32+. **2020**, 592, 124550	6
133	Covalent organic framework derived FeO / N co-doped hollow carbon nanospheres modified electrode for simultaneous determination of biomolecules in human serum. **2020**, 214, 120864	10
132	Gold nanoparticle decorated polypyrrole/graphene oxide nanosheets as a modified electrode for simultaneous determination of ascorbic acid, dopamine and uric acid. **2020**, 44, 4916-4926	25
131	Recent Advances in Electrochemical and Optical Sensing of Dopamine. **2020**, 20,	41
130	In situ chemical polymerization of conducting polymer nanocomposites: Effect of DNA-functionalized carbon nanotubes and nitrogen-doped graphene as catalytic molecular templates. **2020**, 389, 124500	17
129	Coupled graphene oxide with hybrid metallic nanoparticles as potential electrochemical biosensors for precise detection of ascorbic acid within blood. **2020**, 1107, 183-192	43
128	A two-dimensional zinc(II)-based metal-organic framework for fluorometric determination of ascorbic acid, chloramphenicol and ceftriaxone. **2020**, 187, 136	9
127	State of the Art in Alcohol Sensing with 2D Materials. **2020**, 12, 33	29
126	In situ formation of Ag/Au nanorods as a platform to design a non-aggregation colorimetric assay for uric acid detection in biological fluids. **2020**, 154, 104642	16
125	Electrochemical sensor based on an electrode modified with porous graphitic carbon nitride nanosheets (CN) embedded in graphene oxide for simultaneous determination of ascorbic acid, dopamine and uric acid. **2020**, 187, 149	26
124	Millepora sp. fossil-like nickel-cobalt microsphere and its neurotransmitter electrochemical activity. **2020**, 826, 154087	1

123	An electrochemical sensor for dopamine detection based on the electrode of a poly-tryptophan-functionalized graphene composite. **2020**, 35, 34-41	14
122	Chemical-resistant ammonia sensor based on polyaniline/CuO nanoparticles supported on three-dimensional nitrogen-doped graphene-based framework nanocomposites. **2020**, 187, 293	13
121	Colorimetric and amperometric detection of urine creatinine based on the ABTS radical cation modified electrode. **2020**, 314, 128034	9
120	Current progresses and trends in carbon nanomaterials-based electrochemical and electrochemiluminescence biosensors. **2020**, 67, 937-960	12
119	Derivative UV/Vis spectroelectrochemistry in a thin-layer regime: deconvolution and simultaneous quantification of ascorbic acid, dopamine and uric acid. **2020**, 412, 6329-6339	7
118	A simple ultrasensitive electrochemical sensor for simultaneous determination of homovanillic acid and vanillylmandelic acid in human urine based on MWCNTs-Pt nanoparticles as peroxidase mimics. **2020**, 866, 114165	9
117	2D-titanium carbide (MXene) based selective electrochemical sensor for simultaneous detection of ascorbic acid, dopamine and uric acid. **2021**, 72, 122-131	36
116	Antifouling nanoporous diamond membrane for enhanced detection of dopamine in human serum. **2021**, 56, 746-761	8
115	Recent developments in nanotechnology-based printing electrode systems for electrochemical sensors. **2021**, 225, 121951	20
114	Highly sensitive and selective electrochemical detection of dopamine based on CuCrO2-TiO2 composite decorated screen-printed modified electrode. **2021**, 160, 105694	3
113	Engineered two-dimensional nanomaterials: an emerging paradigm for water purification and monitoring. **2021**, 8, 758-802	42
112	Design of "Turn On" fluorometric nanoprobe based on nitrogen doped graphene quantum dots modified with Ecyclodextrin and vitamin B cofactor for selective sensing of dopamine in human serum. **2021**, 248, 119180	11
111	Non-enzymatic glucose sensor based on a g-CN/NiO/CuO nanocomposite. **2021**, 616, 114062	13
110	A Non-Enzymatic Electrochemical Sensor Using a Wrinkled Gold Film on Shrink Polymer. **2021**, 21, 5711-5719	0
109	Holey nitrogen-doped graphene aerogel for simultaneously electrochemical determination of ascorbic acid, dopamine and uric acid. **2021**, 224, 121851	21
108	Electrochemical sensing and simultaneous determination of guanine and adenine based on covalent organic frameworks/NH2-rG/MoS2 modified glassy carbon electrode. **2021**, 160, 105759	6
107	Hydrogenating carbon electrodes by n-butylsilane reduction to achieve an antifouling surface for selective dopamine detection. **2021**, 327, 128881	4
106	A review of poly(3,4-ethylenedioxythiophene) and its composites-based electrochemical sensors for dopamine detection. **2021**, 60, 345-357	1

105	Nonenzymatic dopamine biosensor based on tannin nanocomposite. **2021**, 59, 428-438		2
104	Graphene, an Interesting Nanocarbon Allotrope for Biosensing Applications: Advances, Insights, and Prospects. **2021**, 12, 1179597220983821		2
103	Intelligent composite materials for use as sensors and actuators. **2021**, 465-487		1
102	Facile Post-deposition Annealing of Graphene Ink Enables Ultrasensitive Electrochemical Detection of Dopamine. **2021**, 13, 11185-11194		20
101	A convenient sampling and noninvasive dried spot method of uric acid in human saliva: Comparison of serum uric acid value and salivary uric acid in healthy volunteers and hyperuricemia patients. **2021**, 1164, 122528		2
100	Single-Atom Ruthenium Biomimetic Enzyme for Simultaneous Electrochemical Detection of Dopamine and Uric Acid. **2021**, 93, 4916-4923		34
99	??????????????????????????. **2021**,		1
98	Natural clay loaded Sm2MoO6 nanocomposite, a green catalyst, for multiple applications. **2021**, 26, 100744		0
97	Nitrogen doped graphene quantum dots based on host guest interaction for selective dual readout of dopamine. **2021**, 252, 119516		3
96	Sacrificial template synthesis of ultrathin polyaniline nanosheets and their application in highly sensitive electrochemical dopamine detection. **2021**, 20, 100479		1
95	A high efficiency N, P doped porous carbon nanoparticles derived from lotus leaves for simultaneous electrochemical determination of ascorbic acid, dopamine, and uric acid. **2021**, 165, 106152		9
94	Hierarchical nitrogen-doped holey graphene as sensitive electrochemical sensor for methyl parathion detection. **2021**, 336, 129721		16
93	Designing of cerium phosphate nanorods decorated reduced graphene oxide nanostructures as modified electrode: An effective mode of dopamine sensing. **2021**, 166, 106224		4
92	Highly Sensitive Uric Acid Detection Based on a Graphene Chemoresistor and Magnetic Beads. **2021**, 11,		2
91	What Determines the Electrochemical Properties of Nitrogenated Amorphous Carbon Thin Films?. **2021**, 33, 6813-6824		2
90	AI powered electrochemical multi-component detection of insulin and glucose in serum. *Biosensors and Bioelectronics*, **2021**, 186, 113291	11.8	2
89	Hexagonal basalt-like ceramics LaxMg1-xTiO3 (x = 0 and 0.5) contrived via deep eutectic solvent for selective electrochemical detection of dopamine. **2021**, 615, 413068		4
88	Synthesis and characterization of nanostructured copper and lanthanum co-doped zirconia for voltammetric sensing of tumor biomarkers. e2100109		1

87	Nitrogen-doped hierarchical porous carbon nanomaterial from cellulose nanocrystals for voltammetric determination of ascorbic acid. **2021**, 168, 106494	2
86	Simultaneous Detection of Dihydroxybenzene Isomers Using Electrochemically Reduced Graphene Oxide-Carboxylated Carbon Nanotubes/Gold Nanoparticles Nanocomposite. **2021**, 11,	1
85	Morphological and electrochemical characterizations of a carbon nitride/highly oriented pyrolytic graphite electrode. **2021**, 898, 115621	1
84	The effect of surface-modifier of magnetite nanoparticles on electrochemical detection of dopamine and heating efficiency in magnetic hyperthermia. **2021**, 884, 161075	3
83	Detection of ascorbic acid based on its quenching effect on luminol-artemisinin chemiluminescence. **2021**, 146, 1981-1985	5
82	A glassy carbon electrode modified with graphene nanoplatelets, gold nanoparticles and chitosan, and coated with a molecularly imprinted polymer for highly sensitive determination of prostate specific antigen. **2017**, 184, 4469-4476	26
81	Simultaneous voltammetric determination of ascorbic acid, dopamine, acetaminophen and tryptophan based on hybrid trimetallic nanoparticles-capped electropretreated graphene. **2020**, 156, 104927	16
80	Electronic properties of chemically doped graphene. **2019**, 3,	20
79	A highly sensitive biosensor based on methacrylated graphene oxide-grafted polyaniline for ascorbic acid determination. **2020**, 9, 760-767	27
78	Graphene Oxide and Its Derivatives: Their Synthesis and Use in Organic Synthesis. **2019**, 23, 188-204	6
77	Electroanalysis of Catecholamine Drugs using Graphene Modified Electrodes. **2019**, 15, 443-466	4
76	A Facile Electrochemical Fabrication of Reduced Graphene Oxide-Modified Glassy Carbon Electrode for Simultaneous Detection of Dopamine, Ascorbic Acid, and Uric Acid. **2017**, 8, 274-281	9
75	Simultaneous Electrochemical Determination of Hydroquinone, Catechol and Resorcinol at Nitrogen Doped Porous Carbon Nanopolyhedrons-multiwall Carbon Nanotubes Hybrid Materials Modified Glassy Carbon Electrode. **2014**, 35, 204-210	11
74	Laser Direct Write of Heteroatom-Doped Graphene on Molecularly Controlled Polyimides for Electrochemical Biosensors with Nanomolar Sensitivity. **2021**,	2
73	Laser-activated screen-printed carbon electrodes for enhanced dopamine determination in the presence of ascorbic and uric acid. **2021**, 399, 139374	2
72	Electrochemical Sensing and Biosensing Platforms Using Graphene and Graphene-Based Nanocomposites. 325-360	
71	Carbon Nanomaterials-based Enzymatic Electrochemical Sensing. 155-208	
70	High-Throughput Analytics in the Function of Personalized Medicine. **2019**, 67-87	

69	Chapter 6:Design of Metal-free Nanocatalysts. **2019**, 163-183	
68	Disposable and low-cost lab-made screen-printed electrodes for voltammetric determination of L-Dopa. **2021**, 100056	5
67	Fiber-in-Tube Design of a CuFe2O4@Conducting Polymer with Synergistically Enhanced Peroxidase-like Activity for Total Antioxidant Capacity Assays.	4
66	Three-dimensional macroscopic graphene supported vertically-ordered mesoporous silica-nanochannel film for direct and ultrasensitive detection of uric acid in serum. **2022**, 238, 123027	6
65	Selective and simultaneous sensing of ascorbic acid, dopamine and uric acid based on nitrogen-doped mesoporous carbon. **2020**, 12, 5344-5352	1
64	Serbest Duran ve Esnek MnO2/Grafen Kağıt Elektrot: Dopamin Tayini İçin Yeni Tip Amperometrik Sensör.	
63	Enhanced Electrochemical Sensing of Neurotransmitter in Serum and Injection Samples at Nickel (II) Hexacyanoferrate Deposited on Nanotubular Clay as Facile Electron Transfer Mediator. **2020**, 167, 147510	1
62	Recent Advancements in the Technologies Detecting Food Spoiling Agents.. **2021**, 12,	1
61	Redox Sensor Array with 23.5-μm Resolution for Real-Time Imaging of Hydrogen Peroxide and Glutamate Based on Charge-Transfer-Type Potentiometric Sensor. **2021**, 21,	0
60	Lu(iii) bis-phthalocyanines containing carbazole moieties: synthesis, characterization, electrochemical properties and sensor applications. **2021**, 45, 22714-22731	0
59	Surface Enhanced Electrochemiluminescence of the Ru(Bpy) 3 2+/tripropylamine System by Au@sio 2 Nanoparticles for Highly Sensitive and Selective Detection of Dopamine.	
58	Cerium-based metal–organic framework as an electrocatalyst for the reductive detection of dopamine. **2022**, 135, 107206	1
57	Ultra-selective and real-time detection of dopamine using molybdenum disulphide decorated graphene-based electrochemical biosensor. **2022**, 354, 131254	3
56	Quantitative determination of uric acid using paper-based biosensor modified with graphene oxide and 5-amino-1,3,4-thiadiazole-2-thiol.. **2021**,	0
55	Attributes of functionalized nanomaterial-based electrochemical sensors for food and beverage analysis. **2022**, 177-206	
54	Introducing Graphene–Indium Oxide Electrochemical Sensor for Detecting Ethanol in Aqueous Samples with CCD-RSM Optimization. **2022**, 10, 42	1
53	An innovative electrically conductive biopolymer based on poly (β-cyclodextrin) towards recognition of ascorbic acid in real sample: Utilization of biocompatible advanced materials in biomedical analysis.. **2022**, e2953	1
52	Nitrogen and sulfur co-doping strategy to trigger the peroxidase-like and electrochemical activity of TiC nanosheets for sensitive uric acid detection.. **2022**, 1197, 339520	2

51	Multimode determination of uric acid based on porphyrinic MOFs thin films by electrochemical and photoelectrochemical methods. **2022**, 175, 107198	1
50	Surface enhanced electrochemiluminescence of the Ru(bpy)32+/tripropylamine system by Au@SiO2 nanoparticles for highly sensitive and selective detection of dopamine. **2022**, 176, 107224	2
49	Hybrid organic or inorganic nanomaterials for healthcare diagnostics. **2022**, 275-312	
48	All-Carbon-Based Highly Integrated Wearable Healthcare Electronics for Skin Protection from Ultraviolet Irradiation.	
47	A Novel Electrochemical Immunosensor Based on COF-LZU1 as Precursor to Form Heteroatom-Doped Carbon Nanosphere for CA19-9 Detection.. **2022**, 1	0
46	Simultaneous voltammetric sensing of three DNA bases guanine, adenine and thymine at poly(L-arginine)-electrochemically reduced graphene oxide composite film modified glassy carbon electrode. 1	0
45	Novel three-dimensional graphene nanomesh prepared by facile electro-etching for improved electroanalytical performance for small biomolecules. **2022**, 215, 110506	5
44	Development of an inkjet-printed electrochemical nanosensor for ascorbic acid detection. **2022**, ahead-of-print,	0
43	Bottom-Up Evolution of Diamond-Graphite Hybrid Two-Dimensional Nanostructure: Underlying Picture and Electrochemical Activity. **2021**, e2105087	3
42	An electrochemical sensor for sensitive detection of dopamine based on a COF/Pt/MWCNT-COOH nanocomposite.. **2022**, 58, 6092-6095	5
41	Review Trends in the Development of Non-Enzymatic Electrochemical Sensors Modified with a Metal-Organic Framework for Quantification of Uric Acid.	0
40	Electrochemical Biosensor Using Nitrogen-Doped Graphene/Au Nanoparticles/DNAzyme for Ca2+ Determination. **2022**, 12, 331	0
39	Ultra-Rapid Removal of Pb (II) Ions by a Nano-MoS 2 Decorated Graphene Aided by the Unique Combination of Affinity and Electrochemistry. 2200039	2
38	Electrochemically functionalized carbon cloth for simultaneous determination of ascorbic acid, dopamine, and uric acid. **2022**, 915, 116349	
37	An electrochemical sensor based on reduced graphene oxide/ cyclodextrin/multiwall carbon nanotubes/ polyoxometalate tetracomponent hybrid: Simultaneous determination of ascorbic acid, dopamine and uric acid. **2022**, 180, 107533	3
36	Fundamental mechanisms of hexagonal boron nitride sensing of dopamine, tryptophan, ascorbic acid, and uric acid by first-principles study. **2022**, 28,	
35	An Efficient Enzyme-Less Uric Acid Sensor Development Based on PbO-Doped NiO Nanocomposites. **2022**, 12, 381	
34	In Situ Synthesis of a Bi2Te3-Nanosheet/Reduced-Graphene-Oxide Nanocomposite for Non-Enzymatic Electrochemical Dopamine Sensing. **2022**, 12, 2009	

33	Cu-MOF/N-doped GO nanocomposites modified screen-printed carbon electrode towards detection of 4-nitrophenol. **2022**, 116542		2
32	A bio-analytic nanoplatform based on Au post-functionalized CeFeO3 for the simultaneous determination of melatonin and ascorbic acid through photo-assisted electrochemical technology. *Biosensors and Bioelectronics*, **2022**, 213, 114457	11.8	1
31	Microporous carbon in the selective electro-oxidation of molecular biomarkers: uric acid, ascorbic acid, and dopamine. **2022**, 12, 18709-18721		2
30	Enhancing enzymatic activity of Mn@Co3O4 nanosheets as mimetic nanozyme for colorimetric assay of ascorbic acid. **2022**, 114818		0
29	Towards Multiplexed and Multimodal Biosensor Platforms in Real-Time Monitoring of Metabolic Disorders. **2022**, 22, 5200		0
28	MXene-based electrochemical (bio) sensors for sustainable applications: Roadmap for future advanced materials. **2022**,		0
27	The Electrochemical Detection of Dopamine Based on the Cobalt-Modified Nitrogen Doping Carbon Aerogels from Biomass. **2022**, 169, 087514		0
26	Electrochemical biosensing of uric acid: A review. **2022**, 182, 107945		1
25	Reactive Argon Plasma Activation of Screen-Printed Carbon Electrodes for Highly Selective Dopamine Determination.		0
24	Simultaneous detection of purine metabolites by membrane modified electrochemical sensors. **2022**, 15, 54-60		1
23	Nitrogen-Doped Graphene Supported □Co(OH)2 for Sensitive Determination of Adrenaline.		0
22	Futuristic Advancements in Biomass-Derived Graphene Nanoassemblies: Versatile Biosensors for Point-of-Care Devices. **2022**, 7,		0
21	Highly Sensitive and Selective Electrochemical Determination of Uric Acid in the Presence of Ascorbic Acid and Dopamine Using a Copper Nanoparticle-Tartrazine Nanocomposite Modified Glassy Carbon Electrode by Differential Pulse Voltammetry. 1-21		0
20	Progress and challenges of graphene and its congeners for biomedical applications: Drug delivery, gene delivery, biosensing, bioimaging, and tissue engineering. **2022**, 120703		1
19	A general cation-exchange strategy for constructing hierarchical TiO2/CuInS2/CuS hybrid nanofibers to boost their peroxidase-like activity toward sensitive detection of dopamine. **2022**, 183, 108090		2
18	Cytochromes P450 in biosensing and biosynthesis applications: Recent progress and future perspectives. **2023**, 158, 116791		2
17	A Simple Over-Oxidized Molecularly Imprinted Polypyrrole for the Sensitive Detection of Dopamine in Human Serum. **2022**, 12, 33-44		0
16	Progress, challenges, and opportunities of two-dimensional layered materials based electrochemical sensors and biosensors. **2022**, 26, 101235		0

15	2D MXene-Based Biosensing: A Review. 2205249	2
14	Wireless, Battery-Free Implants for Electrochemical Catecholamine Sensing and Optogenetic Stimulation.	2
13	Cyclophosphazene Intrinsically Derived Heteroatom (S, N, P, O)-Doped Carbon Nanoplates for Ultrasensitive Monitoring of Dopamine from Chicken Samples. **2022**, 12, 1106	0
12	Functionalization of Graphene Derivatives with Conducting Polymers and Their Applications in Uric Acid Detection. **2023**, 28, 135	0
11	Dopamin ve Üik Asit Tayini Ïn 2-Boyutlu MoSe2 Bazlı Elektrokimyasal Sens Geli Ïrilmesi. 329-334	0
10	Capturing charge and size effects of ions at the graphene electrolyte interface using polarizable force field simulations.	0
9	Highly Heterogeneous Morphology of Cobalt Oxide Nanostructures for the Development of Sensitive and Selective Ascorbic Acid Non-Enzymatic Sensor. **2023**, 13, 147	2
8	Tuning pore structure and specific surface area of graphene frameworks via one-step fast pyrolysis strategy: Impact on electrochemical sensing behavior of catechol. **2023**, 187, 108441	0
7	Green and low-cost synthesis of N and P double doped porous carbon derived from Sonchus arvensis L for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid.	0
6	Smart Graphene-Based Electrochemical Nanobiosensor for Clinical Diagnosis: Review. **2023**, 23, 2240	0
5	Defective Metal Organic Framework Nanocrystals as Signal Amplifiers for Electrochemical Dopamine Sensing. **2023**, 6, 3675-3684	0
4	A Rapid Synthesis of LDHs Nanosheets/Electrochemical Reduction of Graphene Oxide Nanocomposites to Simultaneously Detect Ascorbic Acid, Dopamine, and Uric Acid. **2023**, 170, 037502	0
3	Development of a Non-Enzymatic Vitamin-C Electrochemical Sensor Based on rGO/Ce2(SO4)3 Hierarchical Nanocomposite. **2023**, 170, 037504	0
2	A unique approach for electrochemical determination of dopamine by turning off uric acid and ascorbic acid peaks.	0
1	Single-Site Sn?O?Cu Pairs with Interfacial Electron Transfer Effect for Enhanced Electrochemical Catalysis and Sensing.	0