

Mark E Meyerhoff

List of Publications by Year in descending order

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167
papers

8,452
citations

28274

55
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54911

84
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169
all docs

169
docs citations

169
times ranked

5057
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical generation of nitric oxide for medical applications. <i>Electrochemical Science Advances</i> , 2022, 2, e2100156.	2.8	5
2	<i>S</i> -Nitrosothiol-Impregnated Silicone Catheter for Colorimetric Sensing of Indole and <i>E. coli</i> : Toward On-Body Detection of Urinary Tract Infections. <i>ACS Sensors</i> , 2022, 7, 1712-1719.	7.8	9
3	Characterization of the impact of mixing and droplet volumes on the behavior of microfluidic ion-selective droptodes. <i>Analyst</i> , 2021, 146, 5095-5101.	3.5	0
4	Nitric Oxide Release for Enhanced Biocompatibility and Analytical Performance of Implantable Electrochemical Sensors. <i>Electroanalysis</i> , 2021, 33, 1997-2015.	2.9	6
5	Delivering nitric oxide with poly(<i>n</i> -butyl methacrylate) films doped with <i>S</i> -nitroso- <i>N</i> -acetylpenicillamine. <i>Polymer</i> , 2021, 228, 123943.	3.8	6
6	The Effects of the Combined Argatroban/Nitric Oxide-Releasing Polymer on Platelet Microparticle-Induced Thrombogenicity in Coated Extracorporeal Circuits. <i>ASAIO Journal</i> , 2021, 67, 573-582.	1.6	10
7	Comparison of Diazeniumdiolated Dialkylhexanediamines as Nitric Oxide Release Agents on Nonthrombogenicity in an Extracorporeal Circulation Model. <i>ACS Applied Bio Materials</i> , 2020, 3, 466-476.	4.6	5
8	Feedback-controlled photolytic gas phase nitric oxide delivery from <i>S</i> -nitrosothiol-doped silicone rubber films. <i>Journal of Controlled Release</i> , 2020, 318, 264-269.	9.9	7
9	Enhanced Hemocompatibility and <i>In Vivo</i> Analytical Accuracy of Intravascular Potentiometric Carbon Dioxide Sensors via Nitric Oxide Release. <i>Analytical Chemistry</i> , 2020, 92, 13641-13646.	6.5	8
10	Nitric Oxide-Releasing Insert for Disinfecting the Hub Region of Tunnel Dialysis Catheters. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44475-44484.	8.0	10
11	Plasticizer-Free Thin-Film Sodium-Selective Optodes Inkjet-Printed on Transparent Plastic for Sweat Analysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25616-25624.	8.0	21
12	Plasticizer-free and pH-independent ion-selective optode films based on a solvatochromic dye. <i>Analytical Methods</i> , 2020, 12, 2547-2550.	2.7	9
13	Studies of combined NO-eluting/CD47-modified polyurethane surfaces for synergistic enhancement of biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111060.	5.0	8
14	Nitric Oxide Generation on Demand for Biomedical Applications via Electrocatalytic Nitrite Reduction by Copper BMPA- and BEPA-Carboxylate Complexes. <i>ACS Catalysis</i> , 2019, 9, 7746-7758.	11.2	30
15	Comparison of electrochemical nitric oxide detection methods with chemiluminescence for measuring nitrite concentration in food samples. <i>Analytica Chimica Acta</i> , 2019, 1077, 167-173.	5.4	36
16	Synthesis and nitric oxide releasing properties of novel fluoro- <i>S</i> -nitrosothiols. <i>Chemical Communications</i> , 2019, 55, 401-404.	4.1	15
17	Controlled light-induced gas phase nitric oxide release from <i>S</i> -nitrosothiol-doped silicone rubber films. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 86, 31-37.	2.7	20
18	Polyion Detection via All-Solid-Contact Paper-Based Polyion-Sensitive Polymeric Membrane Electrodes. <i>Electroanalysis</i> , 2019, 31, 1416-1420.	2.9	4

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19	Nitric oxide releasing two-part creams containing S-nitrosoglutathione and zinc oxide for potential topical antimicrobial applications. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 90, 1-9.	2.7	22
20	Ionophore-Based Biphasic Chemical Sensing in Droplet Microfluidics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8092-8096.	13.8	17
21	Ionophore-Based Biphasic Chemical Sensing in Droplet Microfluidics. <i>Angewandte Chemie</i> , 2019, 131, 8176-8180.	2.0	9
22	Nitric oxide releasing poly(vinylidene fluoride-co-hexafluoropropylene) films using a fluorinated nitric oxide donor to greatly decrease chemical leaching. <i>Acta Biomaterialia</i> , 2019, 90, 112-121.	8.3	8
23	Portable Bluetooth Microsystem for Electrochemically Modulated Nitric Oxide-Releasing Catheters. , 2019, , .		0
24	Blood coagulation response and bacterial adhesion to biomimetic polyurethane biomaterials prepared with surface texturing and nitric oxide release. <i>Acta Biomaterialia</i> , 2019, 84, 77-87.	8.3	61
25	Colorimetric copper ion sensing in solution phase and on paper substrate based on catalytic decomposition of S-nitrosothiol. <i>Analytica Chimica Acta</i> , 2019, 1053, 155-161.	5.4	13
26	Performance of Amperometric Platinized-Nafion Based Gas Phase Sensor for Determining Nitric Oxide (NO) Levels in Exhaled Human Nasal Breath. <i>Electroanalysis</i> , 2018, 30, 1610-1615.	2.9	7
27	Detection and Quantification of Polyquaterniums via Polyion-Sensitive Ion-Selective Optodes Inkjet Printed on Cellulose Paper. <i>Analytical Sciences</i> , 2018, 34, 45-50.	1.6	10
28	Nitric oxide-releasing semi-crystalline thermoplastic polymers: preparation, characterization and application to devise anti-inflammatory and bactericidal implants. <i>Biomaterials Science</i> , 2018, 6, 3189-3201.	5.4	24
29	Attenuation of thrombin-mediated fibrin formation via changes in fibrinogen conformation induced by reaction with S-nitroso-N-acetylpenicillamine, but not S-nitrosoglutathione. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7954-7965.	5.8	3
30	Synthesis and characterization of a fluorinated S-nitrosothiol as the nitric oxide donor for fluoropolymer-based biomedical device applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6142-6152.	5.8	14
31	Comparison of Copper(II)-Ligand Complexes as Mediators for Preparing Electrochemically Modulated Nitric Oxide-Releasing Catheters. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25047-25055.	8.0	23
32	Advances in electrochemical and optical polyion sensing: A review. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 643-654.	7.8	23
33	Reduction of Thrombosis and Bacterial Infection via Controlled Nitric Oxide (NO) Release from S-Nitroso-N-acetylpenicillamine (SNAP) Impregnated CarboSil Intravascular Catheters. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 349-359.	5.2	61
34	Inhibition of bacterial adhesion and biofilm formation by dual functional textured and nitric oxide releasing surfaces. <i>Acta Biomaterialia</i> , 2017, 51, 53-65.	8.3	66
35	Characterization and Quantification of Polyquaterniums via Single-Use Polymer Membrane-Based Polyion-Sensitive Electrodes. <i>ACS Sensors</i> , 2017, 2, 268-273.	7.8	9
36	Antimicrobial nitric oxide releasing surfaces based on S-nitroso-N-acetylpenicillamine impregnated polymers combined with submicron-textured surface topography. <i>Biomaterials Science</i> , 2017, 5, 1265-1278.	5.4	30

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37	Study of crystal formation and nitric oxide (NO) release mechanism from S-nitroso-N-acetylpenicillamine (SNAP)-doped CarboSil polymer composites for potential antimicrobial applications. <i>Composites Part B: Engineering</i> , 2017, 121, 23-33.	12.0	30
38	Portable Nitric Oxide (NO) Generator Based on Electrochemical Reduction of Nitrite for Potential Applications in Inhaled NO Therapy and Cardiopulmonary Bypass Surgery. <i>Molecular Pharmaceutics</i> , 2017, 14, 3762-3771.	4.6	26
39	Compatibility of Nitric Oxide Release with Implantable Enzymatic Glucose Sensors Based on Osmium (III/II) Mediated Electrochemistry. <i>ACS Sensors</i> , 2017, 2, 1262-1266.	7.8	16
40	Manual and Flow-Injection Detection/Quantification of Polyquaterniums via Fully Reversible Polyion-Sensitive Polymeric Membrane-Based Ion-Selective Electrodes. <i>ACS Sensors</i> , 2017, 2, 1505-1511.	7.8	10
41	An Ionophore-Based Anion-Selective Optode Printed on Cellulose Paper. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11826-11830.	13.8	64
42	An Ionophore-Based Anion-Selective Optode Printed on Cellulose Paper. <i>Angewandte Chemie</i> , 2017, 129, 11988-11992.	2.0	6
43	Nitric oxide release for improving performance of implantable chemical sensors – A review. <i>Applied Materials Today</i> , 2017, 9, 589-597.	4.3	21
44	Inkjet-Printed Paper-Based Colorimetric Polyion Sensor Using a Smartphone as a Detector. <i>Analytical Chemistry</i> , 2017, 89, 12334-12341.	6.5	41
45	Efficient Eradication of Mature <i>Pseudomonas aeruginosa</i> Biofilm via Controlled Delivery of Nitric Oxide Combined with Antimicrobial Peptide and Antibiotics. <i>Frontiers in Microbiology</i> , 2016, 7, 1260.	3.5	48
46	Attenuation of thrombosis and bacterial infection using dual function nitric oxide releasing central venous catheters in a 9 day rabbit model. <i>Acta Biomaterialia</i> , 2016, 44, 304-312.	8.3	59
47	Transport of Nitric Oxide (NO) in Various Biomedical grade Polyurethanes: Measurements and Modeling Impact on NO Release Properties of Medical Devices. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1483-1492.	5.2	23
48	Electrochemically Modulated Nitric Oxide Release From Flexible Silicone Rubber Patch: Antimicrobial Activity For Potential Wound Healing Applications. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1432-1435.	5.2	18
49	Detecting levels of polyquaternium-10 (PQ-10) via potentiometric titration with dextran sulphate and monitoring the equivalence point with a polymeric membrane-based polyion sensor. <i>Analytical Methods</i> , 2016, 8, 5806-5811.	2.7	9
50	Improved Hemocompatibility of Multilumen Catheters via Nitric Oxide (NO) Release from S-Nitroso-N-acetylpenicillamine (SNAP) Composite Filled Lumen. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29270-29279.	8.0	45
51	Asymmetric Anion-Selective Membrane Electrode for Determining Nitric Oxide Release Rates from Polymeric Films/Electrochemical Devices. <i>Electroanalysis</i> , 2016, 28, 277-281.	2.9	2
52	Recent advances in thromboresistant and antimicrobial polymers for biomedical applications: just say yes to nitric oxide (NO). <i>Biomaterials Science</i> , 2016, 4, 1161-1183.	5.4	197
53	Improved hemocompatibility of silicone rubber extracorporeal tubing via solvent swelling-impregnation of S-nitroso-N-acetylpenicillamine (SNAP) and evaluation in rabbit thrombogenicity model. <i>Acta Biomaterialia</i> , 2016, 37, 111-119.	8.3	64
54	The preparation and characterization of nitric oxide releasing silicone rubber materials impregnated with S-nitroso-tert-dodecyl mercaptan. <i>Journal of Materials Chemistry B</i> , 2016, 4, 422-430.	5.8	23

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55	The immobilization of a direct thrombin inhibitor to a polyurethane as a nonthrombogenic surface coating for extracorporeal circulation. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2264-2272.	5.8	30
56	Biodegradable poly(lactic-co-glycolic acid) microspheres loaded with S-nitroso-N-acetyl-D-penicillamine for controlled nitric oxide delivery. <i>Journal of Controlled Release</i> , 2016, 225, 133-139.	9.9	48
57	Enhancement of Inducible Nitric Oxide Synthase Activity by Low Molecular Weight Peptides Derived from Protamine: A Potential Therapy for Chronic Rhinosinusitis. <i>Molecular Pharmaceutics</i> , 2015, 12, 2396-2405.	4.6	4
58	Thromboresistant/anti-biofilm catheters via electrochemically modulated nitric oxide release. <i>Bioelectrochemistry</i> , 2015, 104, 10-16.	4.6	45
59	Improved thromboresistance and analytical performance of intravascular amperometric glucose sensors using optimized nitric oxide release coatings. <i>Chinese Chemical Letters</i> , 2015, 26, 464-468.	9.0	20
60	Improved <i>in Vivo</i> Performance of Amperometric Oxygen (P_{O_2}) Sensing Catheters via Electrochemical Nitric Oxide Generation/Release. <i>Analytical Chemistry</i> , 2015, 87, 8067-8072.	6.5	29
61	Highly sensitive amperometric Pt/Nafion gas phase nitric oxide sensor: Performance and application in characterizing nitric oxide-releasing biomaterials. <i>Analytica Chimica Acta</i> , 2015, 887, 186-191.	5.4	10
62	Real-Time Monitoring of Critical Care Analytes in the Bloodstream with Chemical Sensors: Progress and Challenges. <i>Annual Review of Analytical Chemistry</i> , 2015, 8, 171-192.	5.4	52
63	Polyion-Sensitive Polymeric Membrane-Based Pulstrode as a Potentiometric Detector in Liquid Chromatography. <i>Electroanalysis</i> , 2015, 27, 1823-1828.	2.9	8
64	S-Nitroso-N-acetylpenicillamine (SNAP) Impregnated Silicone Foley Catheters: A Potential Biomaterial/Device To Prevent Catheter-Associated Urinary Tract Infections. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 416-424.	5.2	78
65	Origin of Low Detection Limit and High Selectivity of Roche AccuChek Test Strips that Enables Measurement of Tear Glucose Levels. <i>Electroanalysis</i> , 2015, 27, 670-676.	2.9	14
66	Origin of Long-Term Storage Stability and Nitric Oxide Release Behavior of CarboSil Polymer Doped with S-Nitroso-N-acetyl-D-penicillamine. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22218-22227.	8.0	96
67	Paper-based plasticizer-free sodium ion-selective sensor with camera phone as a detector. <i>Chemical Communications</i> , 2015, 51, 15176-15179.	4.1	51
68	Reduction in thrombosis and bacterial adhesion with 7 day implantation of S-nitroso-N-acetylpenicillamine (SNAP)-doped Elast-eon E2As catheters in sheep. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1639-1645.	5.8	85
69	Integration of molecular and enzymatic catalysts on graphene for biomimetic generation of antithrombotic species. <i>Nature Communications</i> , 2014, 5, 3200.	12.8	90
70	Polyion Selective Polymeric Membrane-Based Pulstrode as a Detector in Flow-Injection Analysis. <i>Analytical Chemistry</i> , 2014, 86, 4041-4046.	6.5	20
71	Electrochemically Modulated Nitric Oxide (NO) Releasing Biomedical Devices via Copper(II)-Tri(2-pyridylmethyl)amine Mediated Reduction of Nitrite. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3779-3783.	8.0	54
72	Optimized polymeric film-based nitric oxide delivery inhibits bacterial growth in a mouse burn wound model. <i>Acta Biomaterialia</i> , 2014, 10, 4136-4142.	8.3	73

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73	A Nitric Oxide-Releasing Heparin Conjugate for Delivery of a Combined Antiplatelet/Anticoagulant Agent. <i>Molecular Pharmaceutics</i> , 2014, 11, 645-650.	4.6	33
74	Hemocompatibility comparison of biomedical grade polymers using rabbit thrombogenicity model for preparing nonthrombogenic nitric oxide releasing surfaces. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1059-1067.	5.8	57
75	Polymeric optical sensors for selective and sensitive nitrite detection using cobalt(III) corrole and rhodium(III) porphyrin as ionophores. <i>Analytica Chimica Acta</i> , 2014, 843, 89-96.	5.4	42
76	Study of Cobalt(III) Corrole as the Neutral Ionophore for Nitrite and Nitrate Detection via Polymeric Membrane Electrodes. <i>Electroanalysis</i> , 2013, 25, 2579-2585.	2.9	32
77	Invitro and in vivo study of sustained nitric oxide release coating using diazeniumdiolate-doped poly(vinyl chloride) matrix with poly(lactide-co-glycolide) additive. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3578.	5.8	58
78	The mediation of platelet quiescence by NO-releasing polymers via cGMP-induced serine 239 phosphorylation of vasodilator-stimulated phosphoprotein. <i>Biomaterials</i> , 2013, 34, 8086-8096.	11.4	19
79	Long-term nitric oxide release and elevated temperature stability with S-nitroso-N-acetylpenicillamine (SNAP)-doped Elast-eon E2As polymer. <i>Biomaterials</i> , 2013, 34, 6957-6966.	11.4	131
80	Amperometric Nitric Oxide Sensors with Enhanced Selectivity Over Carbon Monoxide via Platinum Oxide Formation Under Alkaline Conditions. <i>Analytical Chemistry</i> , 2013, 85, 10057-10061.	6.5	16
81	Reexamination of the Direct Electrochemical Reduction of S-Nitrosothiols. <i>Electroanalysis</i> , 2013, 25, 914-921.	2.9	8
82	Electromodulated release of nitric oxide through polymer material from reservoir of inorganic nitrite salt. <i>RSC Advances</i> , 2012, 2, 6765.	3.6	16
83	Diazeniumdiolate-doped poly(lactic-co-glycolic acid)-based nitric oxide releasing films as antibiofilm coatings. <i>Biomaterials</i> , 2012, 33, 7933-7944.	11.4	68
84	Intravascular glucose/lactate sensors prepared with nitric oxide releasing poly(lactide-co-glycolide)-based coatings for enhanced biocompatibility. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4276-4282.	10.1	37
85	Spectrophotometric determination of various polyanions with polymeric film optodes using microtiter plate reader. <i>Analytica Chimica Acta</i> , 2011, 699, 107-112.	5.4	10
86	The hemocompatibility of a nitric oxide generating polymer that catalyzes S-nitrosothiol decomposition in an extracorporeal circulation model. <i>Biomaterials</i> , 2011, 32, 5957-5969.	11.4	102
87	The attenuation of platelet and monocyte activation in a rabbit model of extracorporeal circulation by a nitric oxide releasing polymer. <i>Biomaterials</i> , 2010, 31, 2736-2745.	11.4	119
88	Reversible Detection of Heparin and Other Polyanions by Pulsed Chronopotentiometric Polymer Membrane Electrode. <i>Analytical Chemistry</i> , 2010, 82, 1612-1615.	6.5	81
89	Tailored synthesis of nitric oxide-releasing polyurethanes using O ₂ -protected diazeniumdiolated chain extenders. <i>Journal of Materials Chemistry</i> , 2010, 20, 3107.	6.7	26
90	Salicylate Detection by Complexation with Iron(III) and Optical Absorbance Spectroscopy. An Undergraduate Quantitative Analysis Experiment. <i>Journal of Chemical Education</i> , 2008, 85, 1658.	2.3	31

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91	Nitric oxide-releasing/generating polymers for the development of implantable chemical sensors with enhanced biocompatibility. <i>Talanta</i> , 2008, 75, 642-650.	5.5	58
92	Organoditelluride-tethered polymers that spontaneously generate nitric oxide when in contact with fresh blood. <i>Journal of Materials Chemistry</i> , 2008, 18, 1784.	6.7	9
93	Photoinstability of S-Nitrosothiols during Sampling of Whole Blood: A Likely Source of Error and Variability in S-Nitrosothiol Measurements. <i>Clinical Chemistry</i> , 2008, 54, 916-918.	3.2	14
94	Effect of varying nitric oxide release to prevent platelet consumption and preserve platelet function in an in vivo model of extracorporeal circulation. <i>Perfusion (United Kingdom)</i> , 2007, 22, 193-200.	1.0	66
95	Organoditelluride-mediated catalytic S-nitrosothiol decomposition. <i>Journal of Materials Chemistry</i> , 2007, 17, 1462.	6.7	20
96	In vitro platelet adhesion on polymeric surfaces with varying fluxes of continuous nitric oxide release. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 956-963.	4.0	43
97	Polymeric coatings that mimic the endothelium: Combining nitric oxide release with surface-bound active thrombomodulin and heparin. <i>Biomaterials</i> , 2007, 28, 4047-4055.	11.4	90
98	Catalytic generation of nitric oxide from S-nitrosothiols using immobilized organoselenium species. <i>Biomaterials</i> , 2007, 28, 19-27.	11.4	121
99	Determination of DNA and its binding to protamine using potentiometric polyion sensors. <i>Journal of Electroanalytical Chemistry</i> , 2007, 602, 138-141.	3.8	14
100	Improving Blood Compatibility of Intravascular Oxygen Sensors Via Catalytic Decomposition of S-Nitrosothiols to Generate Nitric Oxide In Situ. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 36-46.	7.8	18
101	Nitric Oxide Releasing Polyurethanes with Covalently Linked Diazeniumdiolated Secondary Amines. <i>Biomacromolecules</i> , 2006, 7, 987-994.	5.4	83
102	In Vivo Chemical Sensors: Tackling Biocompatibility. <i>Analytical Chemistry</i> , 2006, 78, 7370-7377.	6.5	139
103	Polymethacrylates with a Covalently Linked Cullâ€“Cyclen Complex for the In Situ Generation of Nitric Oxide from Nitrosothiols in Blood. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2745-2748.	13.8	53
104	Polymers incorporating nitric oxide releasing/generating substances for improved biocompatibility of blood-contacting medical devices. <i>Biomaterials</i> , 2005, 26, 1685-1693.	11.4	315
105	Preparation and characterization of polymeric coatings with combined nitric oxide release and immobilized active heparin. <i>Biomaterials</i> , 2005, 26, 6506-6517.	11.4	105
106	Mediation of in vivo glucose sensor inflammatory response via nitric oxide release. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 755-766.	4.0	90
107	Bis-diazeniumdiolates of Dialkyldiamines:â€‰ Enhanced Nitric Oxide Loading of Parent Diamines. <i>Organic Letters</i> , 2005, 7, 2813-2816.	4.6	12
108	Fluoride-Selective Optical Sensor Based on Aluminum(III)â€”Octaethylporphyrin in Thin Polymeric Film:â€‰ Further Characterization and Practical Application. <i>Analytical Chemistry</i> , 2005, 77, 6719-6728.	6.5	46

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109	Nitric Oxide-Releasing Hydrophobic Polymers: Preparation, Characterization, and Potential Biomedical Applications. <i>Free Radical Biology and Medicine</i> , 2004, 37, 926-936.	2.9	100
110	Controlled Photoinitiated Release of Nitric Oxide from Polymer Films Containing S-Nitroso-N-acetyl-dl-penicillamine Derivatized Fumed Silica Filler. <i>Journal of the American Chemical Society</i> , 2004, 126, 1348-1349.	13.7	115
111	Potentiometric Response Characteristics of Polycation-Sensitive Membrane Electrodes toward Poly(amidoamine) and Poly(propyleneimine) Dendrimers. <i>Analytical Chemistry</i> , 2004, 76, 1474-1482.	6.5	23
112	Preparation and characterization of implantable sensors with nitric oxide release coatings. <i>Microchemical Journal</i> , 2003, 74, 277-288.	4.5	51
113	More Lipophilic Dialkyldiamine-Based Diazeniumdiolates: Synthesis, Characterization, and Application in Preparing Thromboresistant Nitric Oxide Release Polymeric Coatings. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5153-5161.	6.4	114
114	Spontaneous Catalytic Generation of Nitric Oxide from S-Nitrosothiols at the Surface of Polymer Films Doped with Lipophilic Copper(II) Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 9552-9553.	13.7	94
115	Nitric Oxide-Releasing Fumed Silica Particles: Synthesis, Characterization, and Biomedical Application. <i>Journal of the American Chemical Society</i> , 2003, 125, 5015-5024.	13.7	176
116	In Vivo Biocompatibility and Analytical Performance of Intravascular Amperometric Oxygen Sensors Prepared with Improved Nitric Oxide-Releasing Silicone Rubber Coating. <i>Analytical Chemistry</i> , 2002, 74, 5942-5947.	6.5	93
117	Synthesis and Characterization of Polymethacrylate-Based Nitric Oxide Donors. <i>Journal of the American Chemical Society</i> , 2002, 124, 12182-12191.	13.7	90
118	Nitric Oxide-Releasing Fluorescence-Based Oxygen Sensing Polymeric Films. <i>Analytical Chemistry</i> , 2002, 74, 5937-5941.	6.5	34
119	Implantable chemical sensors for real-time clinical monitoring: progress and challenges. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 633-641.	6.1	136
120	Nitric oxide releasing silicone rubbers with improved blood compatibility: preparation, characterization, and in vivo evaluation. <i>Biomaterials</i> , 2002, 23, 1485-1494.	11.4	165
121	Rotating Electrode Potentiometry: Lowering the Detection Limits of Nonequilibrium Polyion-Sensitive Membrane Electrodes. <i>Analytical Chemistry</i> , 2001, 73, 332-336.	6.5	69
122	Nonseparation Binding/Immunoassays Using Polycation-Sensitive Membrane Electrode Detection. <i>Electroanalysis</i> , 2001, 13, 276-283.	2.9	21
123	Determination of pentosan polysulfate and its binding to polycationic species using polyion-sensitive membrane electrodes. <i>Analytica Chimica Acta</i> , 2001, 432, 253-260.	5.4	26
124	Preparation and characterization of hydrophobic polymeric films that are thromboresistant via nitric oxide release. <i>Biomaterials</i> , 2000, 21, 9-21.	11.4	205
125	Ionophore-based membrane electrodes: new analytical concepts and non-classical response mechanisms. <i>Analytica Chimica Acta</i> , 2000, 416, 121-137.	5.4	96
126	Reduced platelet activation and thrombosis in extracorporeal circuits coated with nitric oxide release polymers. <i>Critical Care Medicine</i> , 2000, 28, 915-920.	0.9	144

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127	Origin of Non-Nernstian Anion Response Slopes of Metalloporphyrin-Based Liquid/Polymer Membrane Electrodes. <i>Analytical Chemistry</i> , 2000, 72, 5766-5773.	6.5	98
128	Improving the Thromboresistivity of Chemical Sensors via Nitric Oxide Release:Â Fabrication and in Vivo Evaluation of NO-Releasing Oxygen-Sensing Catheters. <i>Analytical Chemistry</i> , 2000, 72, 1119-1126.	6.5	119
129	Optical Detection of Polycations via Polymer Film-Modified Microtiter Plates:â€ Response Mechanism and Bioanalytical Applications. <i>Analytical Chemistry</i> , 2000, 72, 3142-3149.	6.5	25
130	Cystic Fibrosis Transmembrane Conductance Regulator. <i>Journal of General Physiology</i> , 1999, 114, 799-818.	1.9	104
131	More Biocompatible Electrochemical Sensors Using Nitric Oxide Release Polymers. <i>Electroanalysis</i> , 1999, 11, 681-686.	2.9	41
132	Catheter-type sensor for potentiometric monitoring of oxygen, pH and carbon dioxide. <i>Biosensors and Bioelectronics</i> , 1998, 13, 201-212.	10.1	63
133	Influence of Nonionic Surfactants on the Potentiometric Response of Ion-Selective Polymeric Membrane Electrodes Designed for Blood Electrolyte Measurements. <i>Analytical Chemistry</i> , 1998, 70, 1477-1488.	6.5	37
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