Bora Yoon

List of Publications by Year in descending order

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39 papers	1,964 citations	394421 19 h-index	315739 38 g-index
43 all docs	43 docs citations	43 times ranked	2988 citing authors

#	Article	IF	Citations
1	Flexible Chemiresistive Cyclohexanone Sensors Based on Single-Walled Carbon Nanotubeâ€“Polymer Composites. ACS Sensors, 2021, 6, 3056-3062.	7.8	16
2	Selective acetate recognition and sensing using SWCNTs functionalized with croconamides. Sensors and Actuators B: Chemical, 2021, 346, 130461.	7.8	5
3	Zwitterionic Dipicolinic Acid-Based Tracers for Reservoir Surveillance Application. Industrial & Engineering Chemistry Research, 2021, 60, 17804-17813.	3.7	11
4	Chemiresistors for the Realâ€Time Wireless Detection of Anions. Advanced Functional Materials, 2020, 30, 1907087.	14.9	16
5	Functional Single-Walled Carbon Nanotubes for Anion Sensing. ACS Applied Materials & Interfaces, 2020, 12, 28375-28382.	8.0	14
6	Porous Ion Exchange Polymer Matrix for Ultrasmall Au Nanoparticle-Decorated Carbon Nanotube Chemiresistors. Chemistry of Materials, 2019, 31, 5413-5420.	6.7	17
7	Impact of graphene nanoplatelet concentration and film thickness on vapor detection for polymer based chemiresistive sensors. Current Applied Physics, 2019, 19, 978-983.	2.4	5
8	Novel Enzymatically Synthesized Substituted Polyaniline with High Conjugation and Conductivity. MRS Advances, 2018, 3, 1519-1524.	0.9	1
9	Hyperstage Graphite: Electrochemical Synthesis and Spontaneous Reactive Exfoliation. Advanced Materials, 2018, 30, 1704538.	21.0	38
10	Switchable Single-Walled Carbon Nanotubeâ€“Polymer Composites for CO₂ Sensing. ACS Applied Materials & Interfaces, 2018, 10, 33373-33379.	8.0	35
11	Quaternized Polymerâ€“Single-Walled Carbon Nanotube Scaffolds for a Chemiresistive Glucose Sensor. ACS Sensors, 2017, 2, 1123-1127.	7.8	32
12	Wireless Oxygen Sensors Enabled by Fe(II)-Polymer Wrapped Carbon Nanotubes. ACS Sensors, 2017, 2, 1044-1050.	7.8	69
13	Chemiresistor Devices for Chemical Warfare Agent Detection Based on Polymer Wrapped Single-Walled Carbon Nanotubes. Sensors, 2017, 17, 982.	3.8	53
14	Surface-Anchored Poly(4-vinylpyridine)â€“Single-Walled Carbon Nanotubeâ€“Metal Composites for Gas Detection. Chemistry of Materials, 2016, 28, 5916-5924.	6.7	54
15	An Electrolyte-Free Conducting Polymer Actuator that Displays Electrothermal Bending and Flapping Wing Motions under a Magnetic Field. ACS Applied Materials & Interfaces, 2016, 8, 1289-1296.	8.0	48
16	Polymerization Temperatureâ€dependent Thermochromism of Polydiacetylene. Bulletin of the Korean Chemical Society, 2015, 36, 1949-1950.	1.9	8
17	An electrothermochromic paper display based on colorimetrically reversible polydiacetylenes. Nanotechnology, 2014, 25, 094011.	2.6	36
18	Role of Gel to Fluid Transition Temperatures of Polydiacetylene Vesicles with 10,12-Pentacosadiynoic Acid and Cholesterol in Their Thermochromisms. Bulletin of the Korean Chemical Society, 2014, 35, 1809-1816.	1.9	11

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19	Size-dependent intercalation of alkylamines within polydiacetylene supramolecules. Supramolecular Chemistry, 2013, 25, 54-59.	1.2	15
20	A Litmusâ€Type Colorimetric and Fluorometric Volatile Organic Compound Sensor Based on Inkjetâ€Printed Polydiacetylenes on Paper Substrates. Macromolecular Rapid Communications, 2013, 34, 731-735.	3.9	58
21	Recent functional material based approaches to prevent and detect counterfeiting. Journal of Materials Chemistry C, 2013, 1, 2388.	5.5	338
22	Inkjet-Compatible Single-Component Polydiacetylene Precursors for Thermochromic Paper Sensors. ACS Applied Materials & Interfaces, 2013, 5, 4527-4535.	8.0	61
23	Patterned Fluorescence Images with Indigo Precursors in Polymer Film. Bulletin of the Korean Chemical Society, 2013, 34, 1282-1285.	1.9	4
24	An inkjet-printable microemulsion system for colorimetric polydiacetylene supramolecules on paper substrates. Journal of Materials Chemistry, 2012, 22, 8680.	6.7	38
25	Polydiacetylenes: supramolecular smart materials with a structural hierarchy for sensing, imaging and display applications. Chemical Communications, 2012, 48, 2469.	4.1	209
26	Micropatterning Polydiacetylene Supramolecular Vesicles on Glass Substrates using a Preâ€Patterned Hydrophobic Thin Film. Macromolecular Chemistry and Physics, 2012, 213, 610-616.	2.2	12
27	Magnetically Responsive Inorganic/Polydiacetylene Nanohybrids. Macromolecular Chemistry and Physics, 2012, 213, 893-903.	2.2	13
28	Sizeâ€Controlled Fabrication of Polydiacetyleneâ€Embedded Microfibers on a Microfluidic Chip. Macromolecular Rapid Communications, 2012, 33, 1256-1261.	3.9	24
29	Electrophoretic deposition of amphiphilic diacetylene supramolecules: polymerization, selective immobilization, pattern transfer and sensor applications. Journal of Materials Chemistry, 2011, 21, 18605.	6.7	15
30	Detection of a Nanoscale Hot Spot by Hot Carriers in a Poly-Si TFT Using Polydiacetylene-Based Thermoresponsive Fluorometry. IEEE Transactions on Electron Devices, 2011, 58, 1570-1574.	3.0	2
31	Colorimetric detection of aluminium ion based on conjugated polydiacetylene supramolecules. Macromolecular Research, 2011, 19, 97-99.	2.4	20
32	Inkjet Printing of Conjugated Polymer Precursors on Paper Substrates for Colorimetric Sensing and Flexible Electrothermochromic Display. Advanced Materials, 2011, 23, 5492-5497.	21.0	231
33	Patterned Fluorescence Images Based on a Retro Diels-Alder Reaction. Bulletin of the Korean Chemical Society, 2011, 32, 399-400.	1.9	1
34	Hemoglobin Detection on a Microfluidic Sensor Chip with a Partially Conjugated Polymer. Bulletin of the Korean Chemical Society, 2010, 31, 467-469.	1.9	4
35	Probing Temperature on a Microfluidic Chip with Thermosensitive Conjugated Polymer Supramolecules. Bulletin of the Korean Chemical Society, 2010, 31, 1753-1756.	1.9	2
36	A Thermoresponsive Fluorogenic Conjugated Polymer for a Temperature Sensor in Microfluidic Devices. Journal of the American Chemical Society, 2009, 131, 3800-3801.	13.7	132

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37	Recent conceptual and technological advances in polydiacetylene-based supramolecular chemosensors. Chemical Society Reviews, 2009, 38, 1958.	38.1	279
38	A Microfluidic Conjugatedâ€Polymer Sensor Chip. Advanced Materials, 2008, 20, 1690-1694.	21.0	35
39	A Fluorescence "Turn-On" Microfluidic Sensor Based on an Acenaphthopyrrolcarbonitrile Derivative. Bulletin of the Korean Chemical Society, 2008, 29, 2095-2096.	1.9	0