

# Bora Yoon

## List of Publications by Year in descending order

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39  
papers

1,964  
citations

394421

19  
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315739

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all docs

43  
docs citations

43  
times ranked

2988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent functional material based approaches to prevent and detect counterfeiting. Journal of Materials Chemistry C, 2013, 1, 2388.	5.5	338
2	Recent conceptual and technological advances in polydiacetylene-based supramolecular chemosensors. Chemical Society Reviews, 2009, 38, 1958.	38.1	279
3	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
4	Polydiacetylenes: supramolecular smart materials with a structural hierarchy for sensing, imaging and display applications. Chemical Communications, 2012, 48, 2469.	4.1	209
5	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
6	Wireless Oxygen Sensors Enabled by Fe(II)-Polymer Wrapped Carbon Nanotubes. ACS Sensors, 2017, 2, 1044-1050.	7.8	69
7	Inkjet-Compatible Single-Component Polydiacetylene Precursors for Thermochromic Paper Sensors. ACS Applied Materials & Interfaces, 2013, 5, 4527-4535.	8.0	61
8	A Litmus-Type Colorimetric and Fluorometric Volatile Organic Compound Sensor Based on Inkjet-Printed Polydiacetylenes on Paper Substrates. Macromolecular Rapid Communications, 2013, 34, 731-735.	3.9	58
9	Surface-Anchored Poly(4-vinylpyridine)-Single-Walled Carbon Nanotube-Metal Composites for Gas Detection. Chemistry of Materials, 2016, 28, 5916-5924.	6.7	54
10	Chemiresistor Devices for Chemical Warfare Agent Detection Based on Polymer Wrapped Single-Walled Carbon Nanotubes. Sensors, 2017, 17, 982.	3.8	53
11	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
12	An inkjet-printable microemulsion system for colorimetric polydiacetylene supramolecules on paper substrates. Journal of Materials Chemistry, 2012, 22, 8680.	6.7	38
13	Hyperstage Graphite: Electrochemical Synthesis and Spontaneous Reactive Exfoliation. Advanced Materials, 2018, 30, 1704538.	21.0	38
14	An electrothermochromic paper display based on colorimetrically reversible polydiacetylenes. Nanotechnology, 2014, 25, 094011.	2.6	36
15	A Microfluidic Conjugated Polymer Sensor Chip. Advanced Materials, 2008, 20, 1690-1694.	21.0	35
16	Switchable Single-Walled Carbon Nanotube-Polymer Composites for CO <sub>2</sub> Sensing. ACS Applied Materials & Interfaces, 2018, 10, 33373-33379.	8.0	35
17	Quaternized Polymer-Single-Walled Carbon Nanotube Scaffolds for a Chemiresistive Glucose Sensor. ACS Sensors, 2017, 2, 1123-1127.	7.8	32
18	Size-Controlled Fabrication of Polydiacetylene-Embedded Microfibers on a Microfluidic Chip. Macromolecular Rapid Communications, 2012, 33, 1256-1261.	3.9	24

#	ARTICLE	IF	CITATIONS
19	Colorimetric detection of aluminium ion based on conjugated polydiacetylene supramolecules. <i>Macromolecular Research</i> , 2011, 19, 97-99.	2.4	20
20	Porous Ion Exchange Polymer Matrix for Ultrasmall Au Nanoparticle-Decorated Carbon Nanotube Chemiresistors. <i>Chemistry of Materials</i> , 2019, 31, 5413-5420.	6.7	17
21	Chemiresistors for the Real-Time Wireless Detection of Anions. <i>Advanced Functional Materials</i> , 2020, 30, 1907087.	14.9	16
22	Flexible Chemiresistive Cyclohexanone Sensors Based on Single-Walled Carbon Nanotube-Polymer Composites. <i>ACS Sensors</i> , 2021, 6, 3056-3062.	7.8	16
23	Electrophoretic deposition of amphiphilic diacetylene supramolecules: polymerization, selective immobilization, pattern transfer and sensor applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 18605.	6.7	15
24	Size-dependent intercalation of alkylamines within polydiacetylene supramolecules. <i>Supramolecular Chemistry</i> , 2013, 25, 54-59.	1.2	15
25	Functional Single-Walled Carbon Nanotubes for Anion Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28375-28382.	8.0	14
26	Magnetically Responsive Inorganic/Polydiacetylene Nanohybrids. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 893-903.	2.2	13
27	Micropatterning Polydiacetylene Supramolecular Vesicles on Glass Substrates using a Pre-Patterned Hydrophobic Thin Film. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 610-616.	2.2	12
28	Role of Gel to Fluid Transition Temperatures of Polydiacetylene Vesicles with 10,12-Pentacosadiynoic Acid and Cholesterol in Their Thermochromisms. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1809-1816.	1.9	11
29	Zwitterionic Dipicolinic Acid-Based Tracers for Reservoir Surveillance Application. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 17804-17813.	3.7	11
30	Polymerization Temperature-Dependent Thermochromism of Polydiacetylene. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1949-1950.	1.9	8
31	Impact of graphene nanoplatelet concentration and film thickness on vapor detection for polymer based chemiresistive sensors. <i>Current Applied Physics</i> , 2019, 19, 978-983.	2.4	5
32	Selective acetate recognition and sensing using SWCNTs functionalized with croconamides. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130461.	7.8	5
33	Hemoglobin Detection on a Microfluidic Sensor Chip with a Partially Conjugated Polymer. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 467-469.	1.9	4
34	Patterned Fluorescence Images with Indigo Precursors in Polymer Film. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1282-1285.	1.9	4
35	Detection of a Nanoscale Hot Spot by Hot Carriers in a Poly-Si TFT Using Polydiacetylene-Based Thermoresponsive Fluorometry. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 1570-1574.	3.0	2
36	Probing Temperature on a Microfluidic Chip with Thermosensitive Conjugated Polymer Supramolecules. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 1753-1756.	1.9	2

#	ARTICLE	IF	CITATIONS
37	Novel Enzymatically Synthesized Substituted Polyaniline with High Conjugation and Conductivity. MRS Advances, 2018, 3, 1519-1524.	0.9	1
38	Patterned Fluorescence Images Based on a Retro Diels-Alder Reaction. Bulletin of the Korean Chemical Society, 2011, 32, 399-400.	1.9	1
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