

# Se-Chul Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11415419/publications.pdf>

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14  
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#	ARTICLE	IF	CITATIONS
1	Approaching Gas Phase Electrodeposition: Process and Optimization to Enable the Self-Aligned Growth of 3D Nanobridge-Based Interconnects. <i>Advanced Materials</i> , 2016, 28, 1770-1779.	11.1	19
2	Localized Collection of Airborne Analytes: A Transport Driven Approach to Improve the Response Time of Existing Gas Sensor Designs including SERS based Detection of Small Molecules. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1746, 1.	0.1	0
3	Millimeter Thin and Rubber-Like Solid-State Lighting Modules Fabricated Using Roll-to-Roll Fluidic Self-Assembly and Lamination. <i>Advanced Materials</i> , 2015, 27, 3661-3668.	11.1	28
4	Approaching Roll-to-Roll Fluidic Self-Assembly: Relevant Parameters, Machine Design, and Applications. <i>Journal of Microelectromechanical Systems</i> , 2015, 24, 1928-1937.	1.7	17
5	Localized Collection of Airborne Analytes: A Transport Driven Approach to Improve the Response Time of Existing Gas Sensor Designs. <i>Advanced Functional Materials</i> , 2014, 24, 3706-3714.	7.8	22
6	Self-Assembly: A First Implementation of an Automated Reel-to-Reel Fluidic Self-Assembly Machine (Adv.) <i>Tj ETQq0 0.0.rgBT /Qverlock 10</i>	11.1	97
7	A First Implementation of an Automated Reel-to-Reel Fluidic Self-Assembly Machine. <i>Advanced Materials</i> , 2014, 26, 5942-5949.	11.1	97
8	Active Matrix-Based Collection of Airborne Analytes: An Analyte Recording Chip Providing Exposure History and Finger Print. <i>Advanced Materials</i> , 2014, 26, 7600-7607.	11.1	4
9	Effective Collection and Detection of Airborne Species Using SERS-Based Detection and Localized Electrodynamic Precipitation. <i>Advanced Materials</i> , 2013, 25, 3554-3559.	11.1	23
10	Effective localized collection and identification of airborne species through electrodynamic precipitation and SERS-based detection. <i>Nature Communications</i> , 2013, 4, 1636.	5.8	52
11	A micro-thermoelectric gas sensor for detection of hydrogen and atomic oxygen. <i>Analyst, The</i> , 2009, 134, 236-242.	1.7	26
12	<i>Neisseria Meningitidis</i> Detection Based on a Microcalorimetric Biosensor With a Split-Flow Microchannel. <i>Journal of Microelectromechanical Systems</i> , 2008, 17, 590-598.	1.7	16
13	Detection of <i>Neisseria meningitidis</i> using a micromachined split-flow microcalorimeter. , 2007, , .		0
14	A highly sensitive micro-thermal sensor for hydrogen detection. , 2007, , .		1