Xiaomei Yang

List of Publications by Year
in descending order

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		218677	377865
34	3,348	26	34
papers	citations	h-index	g-index

34	34	34	4497
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detection of Explosives with a Fluorescent Nanofibril Film. Journal of the American Chemical Society, 2007, 129, 6978-6979.	13.7	377
2	Large Gate Modulation in the Current of a Room Temperature Single Molecule Transistor. Journal of the American Chemical Society, 2005, 127, 2386-2387.	13.7	277
3	Expedient Vapor Probing of Organic Amines Using Fluorescent Nanofibers Fabricated from an n-Type Organic Semiconductor. Nano Letters, 2008, 8, 2219-2223.	9.1	267
4	Tailoring Electronic Properties of Graphene by Ï€â€“Ï€ Stacking with Aromatic Molecules. Journal of Physical Chemistry Letters, 2011, 2, 2897-2905.	4.6	255
5	Ultrathin n-Type Organic Nanoribbons with High Photoconductivity and Application in Optoelectronic Vapor Sensing of Explosives. Journal of the American Chemical Society, 2010, 132, 5743-5750.	13.7	230
6	Enhancing One-Dimensional Charge Transport through Intermolecular Ï€-Electron Delocalization:â€‰ Conductivity Improvement for Organic Nanobelts. Journal of the American Chemical Society, 2007, 129, 6354-6355.	13.7	228
7	Nanofibril Self-Assembly of an Arylene Ethynylene Macrocycle. Journal of the American Chemical Society, 2006, 128, 6576-6577.	13.7	179
8	Fluorescent nanoscale zinc(<scp>ii</scp>)-carboxylate coordination polymers for explosive sensing. Chemical Communications, 2011, 47, 2336-2338.	4.1	163
9	Diffusion-Controlled Detection of Trinitrotoluene: Interior Nanoporous Structure and Low Highest Occupied Molecular Orbital Level of Building Blocks Enhance Selectivity and Sensitivity. Journal of the American Chemical Society, 2012, 134, 4978-4982.	13.7	137
10	Gate-controlled electron transport in coronenes as a bottom-up approach towards graphene transistors. Nature Communications, 2010, 1, 31.	12.8	104
11	Highly Polarized and Self-Waveguided Emission from Single-Crystalline Organic Nanobelts. Chemistry of Materials, 2009, 21, 2930-2934.	6.7	99
12	Controlling charge transport in single molecules using electrochemical gate. Faraday Discussions, 2006, 131, 111-120.	3.2	97
13	Organic nanofibrils based on linear carbazole trimer for explosive sensing. Chemical Communications, 2010, 46, 5560.	4.1	91
14	Linearly Polarized Emission of an Organic Semiconductor Nanobelt. Journal of Physical Chemistry B, 2006, 110, 12327-12332.	2.6	84
15	Interfacial Engineering of Organic Nanofibril Heterojunctions into Highly Photoconductive Materials. Journal of the American Chemical Society, 2011, 133, 1087-1091.	13.7	79
16	Ambipolar Transport in an Electrochemically Gated Single-Molecule Field-Effect Transistor. ACS Nano, 2012, 6, 7044-7052.	14.6	67
17	Fluorescence Ratiometric Sensor for Trace Vapor Detection of Hydrogen Peroxide. ACS Applied Materials & Interfaces, 2014, 6, 8708-8714.	8.0	67
18	A selective fluorescence turn-on sensor for trace vapor detection of hydrogen peroxide. Chemical Communications, 2013, 49, 11779.	4.1	63

#	Article	IF	Citations
19	Ambient photodoping of p-type organic nanofibers: highly efficient photoswitching and electrical vapor sensing of amines. Chemical Communications, 2010, 46, 4127.	4.1	60
20	Highly responsive fluorescent sensing of explosives taggant with an organic nanofibril film. Sensors and Actuators B: Chemical, 2008, 134, 287-291.	7.8	50
21	Chemical Self-Doping of Organic Nanoribbons for High Conductivity and Potential Application as Chemiresistive Sensor. ACS Applied Materials & Interfaces, 2016, 8, 12360-12368.	8.0	41
22	Trace Detection of RDX, HMX and PETN Explosives Using a Fluorescence Spot Sensor. Scientific Reports, 2016, 6, 25015.	3.3	41
23	Donorâ€“acceptor single cocrystal of coronene and perylene diimide: molecular self-assembly and charge-transfer photoluminescence. RSC Advances, 2017, 7, 2382-2387.	3.6	34
24	A Ratiometric Fluorescent Sensor for Cd2+ Based on Internal Charge Transfer. Sensors, 2017, 17, 2517.	3.8	33
25	Persistent Photoconductivity in Perylene Diimide Nanofiber Materials. ACS Energy Letters, 2016, 1, 906-912.	17.4	29
26	One-Step Surface Doping of Organic Nanofibers to Achieve High Dark Conductivity and Chemiresistor Sensing of Amines. ACS Applied Materials & Interfaces, 2013, 5, 7704-7708.	8.0	28
27	Morphology Control of Nanofibril Donorâ€“Acceptor Heterojunction To Achieve High Photoconductivity: Exploration of New Molecular Design Rule. Journal of the American Chemical Society, 2013, 135, 16490-16496.	13.7	27
28	Interfacial Donorâ€“Acceptor Nanofibril Composites for Selective Alkane Vapor Detection. ACS Sensors, 2016, 1, 552-559.	7.8	27
29	Discrimination of alkyl and aromatic amine vapors using TTFâ€“TCNQ based chemiresistive sensors. Chemical Communications, 2017, 53, 1132-1135.	4.1	23
30	Î³ radiation induced self-assembly of fluorescent molecules into nanofibers: a stimuli-responsive sensing. Journal of Materials Chemistry C, 2015, 3, 4345-4351.	5.5	21
31	Photodoping and Enhanced Visible Light Absorption in Singleâ€Walled Carbon Nanotubes Functionalized with a Wide Band Gap Oligomer. Advanced Materials, 2015, 27, 162-167.	21.0	20
32	Ultrafine nanofibers fabricated from an aryleneâ€“ethynylene macrocyclic molecule using surface assisted self-assembly. Chemical Communications, 2012, 48, 8904.	4.1	18
33	Anomalous high photovoltages observed in shish kebab-like organic pâ€“n junction nanostructures. Polymer Chemistry, 2014, 5, 309-313.	3.9	16
34	Thermoactivated Electrical Conductivity in Perylene Diimide Nanofiber Materials. Journal of Physical Chemistry Letters, 2017, 8, 292-298.	4.6	16