

Sharon Gilead

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,267
citations

394421

19
h-index

501196

28
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32
all docs

32
docs citations

32
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Deposition of a Functional Piezoelectric Ultra-thin Aromatic Peptide Layer. Israel Journal of Chemistry, 2022, 62, .	2.3	2
2	Metal Organic Spin Transistor. Nano Letters, 2021, 21, 8657-8663.	9.1	12
3	Enhanced Fluorescence for Bioassembly by Environmentally Switching Doping of Metal Ions. Advanced Functional Materials, 2020, 30, 1909614.	14.9	33
4	Long-Range Spin-Selective Transport in Chiral Metal-Organic Crystals with Temperature-Activated Magnetization. ACS Nano, 2020, 14, 16624-16633.	14.6	51
5	Bioinspired Supramolecular Packing Enables High Thermo-stability. Angewandte Chemie - International Edition, 2020, 59, 19037-19041.	13.8	18
6	Bioinspired Supramolecular Packing Enables High Thermo-stability. Angewandte Chemie, 2020, 132, 19199-19203.	2.0	2
7	High-Efficiency Fluorescence through Bioinspired Supramolecular Self-Assembly. ACS Nano, 2020, 14, 2798-2807.	14.6	49
8	Stoichiometry-controlled secondary structure transition of amyloid-derived supramolecular dipeptide co-assemblies. Communications Chemistry, 2019, 2, .	4.5	40
9	Metal-Ion Modulated Structural Transformation of Amyloid-Like Dipeptide Supramolecular Self-Assembly. ACS Nano, 2019, 13, 7300-7309.	14.6	121
10	Rigid Tightly Packed Amino Acid Crystals as Functional Supramolecular Materials. ACS Nano, 2019, 13, 14477-14485.	14.6	48
11	Microfluidics for real-time direct monitoring of self- and co-assembly biomolecular processes. Nanotechnology, 2019, 30, 102001.	2.6	8
12	Mechanistic perspective and functional activity of insulin in amylin aggregation. Chemical Science, 2018, 9, 4244-4252.	7.4	35
13	Opal-like Multicolor Appearance of Self-Assembled Photonic Array. ACS Applied Materials & Interfaces, 2018, 10, 20783-20789.	8.0	17
14	The Inhibitory Effect of Hydroxylated Carbon Nanotubes on the Aggregation of Human Islet Amyloid Polypeptide Revealed by a Combined Computational and Experimental Study. ACS Chemical Neuroscience, 2018, 9, 2741-2752.	3.5	49
15	NPT088 reduces both amyloid- β and tau pathologies in transgenic mice. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2016, 2, 141-155.	3.7	36
16	A Bacteriophage Capsid Protein Provides a General Amyloid Interaction Motif (GAIM) That Binds and Remodels Misfolded Protein Assemblies. Journal of Molecular Biology, 2014, 426, 2500-2519.	4.2	54
17	Apoptosis induced by islet amyloid polypeptide soluble oligomers is neutralized by diabetes-associated specific antibodies. Scientific Reports, 2014, 4, 4267.	3.3	67
18	Coded photoacoustic Doppler excitation with near-optimal utilization of the time and frequency domains. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Time-resolved photoacoustic Doppler characterization of flow using pulsed excitation. Proceedings of SPIE, 2010, , .	0.8	5
20	Simultaneous spatial and spectral mapping of flow using photoacoustic Doppler measurement. Journal of Biomedical Optics, 2010, 15, 066010.	2.6	25
21	Photoacoustic Doppler measurement of flow using tone burst excitation. Optics Express, 2010, 18, 4212.	3.4	42
22	Simultaneous spatial and spectral characterization of flow using Photoacoustic Doppler in a turbid media. , 2010, , .		0
23	The use of pulse synthesis for optimization of photoacoustic measurements. Optics Express, 2009, 17, 7328.	3.4	8
24	Photoacoustic spectroscopy as a non-invasive method for in-vivo protein detection and identification. , 2008, , .		0
25	The use of optical waveform synthesis in photoacoustic measurements. , 2008, , .		0
26	The Role of the 14â€“20 Domain of the Islet Amyloid Polypeptide in Amyloid Formation. Experimental Diabetes Research, 2008, 2008, 1-8.	3.8	35
27	Molecular Mapping of the Recognition Interface between the Islet Amyloid Polypeptide and Insulin. Angewandte Chemie - International Edition, 2006, 45, 6476-6480.	13.8	83
28	Self-organization of Short Peptide Fragments: From Amyloid Fibrils to Nanoscale Supramolecular Assemblies. Supramolecular Chemistry, 2005, 17, 87-92.	1.2	83
29	Inhibition of Amyloid Fibril Formation by Peptide Analogues Modified with Î±-Aminoisobutyric Acid. Angewandte Chemie - International Edition, 2004, 43, 4041-4044.	13.8	127
30	Identification and Characterization of a Novel Molecular-recognition and Self-assembly Domain within the Islet Amyloid Polypeptide. Journal of Molecular Biology, 2002, 322, 1013-1024.	4.2	180