

# Sharon Gilead

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11568860/publications.pdf>

Version: 2024-02-01

30  
papers

1,267  
citations

394421

19  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and Characterization of a Novel Molecular-recognition and Self-assembly Domain within the Islet Amyloid Polypeptide. <i>Journal of Molecular Biology</i> , 2002, 322, 1013-1024.	4.2	180
2	Inhibition of Amyloid Fibril Formation by Peptide Analogues Modified with $\alpha$ -Aminoisobutyric Acid. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4041-4044.	13.8	127
3	Metal-Ion Modulated Structural Transformation of Amyloid-Like Dipeptide Supramolecular Self-Assembly. <i>ACS Nano</i> , 2019, 13, 7300-7309.	14.6	121
4	Self-organization of Short Peptide Fragments: From Amyloid Fibrils to Nanoscale Supramolecular Assemblies. <i>Supramolecular Chemistry</i> , 2005, 17, 87-92.	1.2	83
5	Molecular Mapping of the Recognition Interface between the Islet Amyloid Polypeptide and Insulin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6476-6480.	13.8	83
6	Apoptosis induced by islet amyloid polypeptide soluble oligomers is neutralized by diabetes-associated specific antibodies. <i>Scientific Reports</i> , 2014, 4, 4267.	3.3	67
7	A Bacteriophage Capsid Protein Provides a General Amyloid Interaction Motif (GAIM) That Binds and Remodels Misfolded Protein Assemblies. <i>Journal of Molecular Biology</i> , 2014, 426, 2500-2519.	4.2	54
8	Long-Range Spin-Selective Transport in Chiral Metal-Organic Crystals with Temperature-Activated Magnetization. <i>ACS Nano</i> , 2020, 14, 16624-16633.	14.6	51
9	The Inhibitory Effect of Hydroxylated Carbon Nanotubes on the Aggregation of Human Islet Amyloid Polypeptide Revealed by a Combined Computational and Experimental Study. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2741-2752.	3.5	49
10	High-Efficiency Fluorescence through Bioinspired Supramolecular Self-Assembly. <i>ACS Nano</i> , 2020, 14, 2798-2807.	14.6	49
11	Rigid Tightly Packed Amino Acid Crystals as Functional Supramolecular Materials. <i>ACS Nano</i> , 2019, 13, 14477-14485.	14.6	48
12	Photoacoustic Doppler measurement of flow using tone burst excitation. <i>Optics Express</i> , 2010, 18, 4212.	3.4	42
13	Stoichiometry-controlled secondary structure transition of amyloid-derived supramolecular dipeptide co-assemblies. <i>Communications Chemistry</i> , 2019, 2, .	4.5	40
14	NPT088 reduces both amyloid $\beta$ and tau pathologies in transgenic mice. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2016, 2, 141-155.	3.7	36
15	The Role of the 14 $\alpha$ -20 Domain of the Islet Amyloid Polypeptide in Amyloid Formation. <i>Experimental Diabetes Research</i> , 2008, 2008, 1-8.	3.8	35
16	Mechanistic perspective and functional activity of insulin in amylin aggregation. <i>Chemical Science</i> , 2018, 9, 4244-4252.	7.4	35
17	Enhanced Fluorescence for Bioassembly by Environment-Responsive Switching Doping of Metal Ions. <i>Advanced Functional Materials</i> , 2020, 30, 1909614.	14.9	33
18	Simultaneous spatial and spectral mapping of flow using photoacoustic Doppler measurement. <i>Journal of Biomedical Optics</i> , 2010, 15, 066010.	2.6	25

#	ARTICLE	IF	CITATIONS
19	Bioinspired Supramolecular Packing Enables High Thermo€Sustainability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19037-19041.	13.8	18
20	Opal-like Multicolor Appearance of Self-Assembled Photonic Array. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 20783-20789.	8.0	17
21	Metal Organic Spin Transistor. <i>Nano Letters</i> , 2021, 21, 8657-8663.	9.1	12
22	The use of pulse synthesis for optimization of photoacoustic measurements. <i>Optics Express</i> , 2009, 17, 7328.	3.4	8
23	Microfluidics for real-time direct monitoring of self- and co-assembly biomolecular processes. <i>Nanotechnology</i> , 2019, 30, 102001.	2.6	8
24	Time-resolved photoacoustic Doppler characterization of flow using pulsed excitation. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5
25	Bioinspired Supramolecular Packing Enables High Thermo€Sustainability. <i>Angewandte Chemie</i> , 2020, 132, 19199-19203.	2.0	2
26	Controlled Deposition of a Functional Piezoelectric Ultra€Aromatic Peptide Layer. <i>Israel Journal of Chemistry</i> , 2022, 62, .	2.3	2
27	Coded photoacoustic Doppler excitation with near-optimal utilization of the time and frequency domains. , 2011, , .		1
28	Photoacoustic spectroscopy as a non-invasive method for in-vivo protein detection and identification. , 2008, , .		0
29	The use of optical waveform synthesis in photoacoustic measurements. , 2008, , .		0
30	Simultaneous spatial and spectral characterization of flow using Photoacoustic Doppler in a turbid media. , 2010, , .		0