

Raz Jelinek

List of Publications by Year in descending order

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209
papers

8,644
citations

41344

49
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all docs

239
docs citations

239
times ranked

10078
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave-Assisted Synthesis of Nanocrystalline MgO and Its Use as a Bacteriocide. <i>Advanced Functional Materials</i> , 2005, 15, 1708-1715.	14.9	493
2	Carbohydrate Biosensors. <i>Chemical Reviews</i> , 2004, 104, 5987-6016.	47.7	337
3	Improving Oral Bioavailability of Peptides by Multiple N-Methylation: Somatostatin Analogues. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2595-2599.	13.8	310
4	Carbohydrate Biosensors. <i>ChemInform</i> , 2005, 36, no.	0.0	223
5	Cation-Selective Color Sensors Composed of Ionophore-Phospholipid-Polydiacetylene Mixed Vesicles. <i>Journal of the American Chemical Society</i> , 2000, 122, 776-780.	13.7	217
6	A colorimetric assay for rapid screening of antimicrobial peptides. <i>Nature Biotechnology</i> , 2000, 18, 225-227.	17.5	209
7	The Human Islet Amyloid Polypeptide Forms Transient Membrane-Active Prefibrillar Assemblies. <i>Biochemistry</i> , 2003, 42, 10971-10977.	2.5	168
8	Rapid Colorimetric Detection of Antibody-Epitope Recognition at a Biomimetic Membrane Interface. <i>Journal of the American Chemical Society</i> , 2001, 123, 417-422.	13.7	166
9	Peptide-Membrane Interactions Studied by a New Phospholipid/Polydiacetylene Colorimetric Vesicle Assay. <i>Biochemistry</i> , 2000, 39, 15851-15859.	2.5	162
10	Direct three-dimensional visualization of membrane disruption by amyloid fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20455-20460.	7.1	162
11	Carbon Nanomaterials in Biological Studies and Biomedicine. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700574.	7.6	155
12	Polydiacetylenes – recent molecular advances and applications. <i>RSC Advances</i> , 2013, 3, 21192.	3.6	140
13	Colorimetric Polydiacetylene-Aerogel Detector for Volatile Organic Compounds (VOCs). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2891-2898.	8.0	139
14	Color Fingerprinting of Proteins by Calixarenes Embedded in Lipid/Polydiacetylene Vesicles. <i>Journal of the American Chemical Society</i> , 2006, 128, 13592-13598.	13.7	130
15	Induced Color Change of Conjugated Polymeric Vesicles by Interfacial Catalysis of Phospholipase A2. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 655-659.	13.8	128
16	Polymerized lipid vesicles as colorimetric biosensors for biotechnological applications. <i>Biotechnology Advances</i> , 2001, 19, 109-118.	11.7	124
17	Imaging Cancer Cells Expressing the Folate Receptor with Carbon Dots Produced from Folic Acid. <i>ChemBioChem</i> , 2016, 17, 614-619.	2.6	114
18	Bacterial detection with amphiphilic carbon dots. <i>Analyst</i> , 2015, 140, 4232-4237.	3.5	103

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19	Selective Detection of Catecholamines by Synthetic Receptors Embedded in Chromatic Polydiacetylene Vesicles. <i>Journal of the American Chemical Society</i> , 2005, 127, 10000-10001.	13.7	102
20	Membrane interactions of ionic liquids: Possible determinants for biological activity and toxicity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2967-2974.	2.6	102
21	Interactions of Mouse Paneth Cell α -Defensins and α -Defensin Precursors with Membranes. <i>Journal of Biological Chemistry</i> , 2003, 278, 13838-13846.	3.4	96
22	Chiral modulation of amyloid beta fibrillation and cytotoxicity by enantiomeric carbon dots. <i>Chemical Communications</i> , 2018, 54, 7762-7765.	4.1	95
23	Rapid Chromatic Detection of Bacteria by Use of a New Biomimetic Polymer Sensor. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7339-7344.	3.1	85
24	Membrane analysis with amphiphilic carbon dots. <i>Chemical Communications</i> , 2014, 50, 10299-10302.	4.1	84
25	Structures and mode of membrane interaction of a short α -helical lytic peptide and its diastereomer determined by NMR, FTIR, and fluorescence spectroscopy. <i>FEBS Journal</i> , 2002, 269, 3869-3880.	0.2	80
26	Effect of Structural and Conformation Modifications, Including Backbone Cyclization, of Hydrophilic Hexapeptides on Their Intestinal Permeability and Enzymatic Stability. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6201-6211.	6.4	79
27	Highly compacted DNA nanoparticles with low MW PEG coatings: In vitro, ex vivo and in vivo evaluation. <i>Journal of Controlled Release</i> , 2012, 157, 72-79.	9.9	79
28	Tuneable light-emitting carbon-dot/polymer flexible films prepared through one-pot synthesis. <i>Nanoscale</i> , 2016, 8, 3400-3406.	5.6	79
29	Fluorescent Self-Healing Carbon Dot/Polymer Gels. <i>ACS Nano</i> , 2019, 13, 1433-1442.	14.6	73
30	Carbon-dot-aerogel sensor for aromatic volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 607-613.	7.8	71
31	Poly(methyl methacrylate)-Supported Polydiacetylene Films: Unique Chromatic Transitions and Molecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8613-8620.	8.0	70
32	Colorimetric Detection and Fingerprinting of Bacteria by Glass-Supported Lipid/Polydiacetylene Films. <i>Langmuir</i> , 2007, 23, 4682-4687.	3.5	69
33	Carbon-Dot/Silver-Nanoparticle Flexible SERS-Active Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25637-25643.	8.0	68
34	Interfacial catalysis by phospholipases at conjugated lipid vesicles: colorimetric detection and NMR spectroscopy. <i>Chemistry and Biology</i> , 1998, 5, 619-629.	6.0	67
35	Structure-Activity Determinants in Paneth Cell α -Defensins. <i>Journal of Biological Chemistry</i> , 2004, 279, 11976-11983.	3.4	63
36	Nitric Oxide Sensing through Azo-Dye Formation on Carbon Dots. <i>ACS Sensors</i> , 2017, 2, 1215-1224.	7.8	63

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37	Carbon Quantum Dots. Carbon Nanostructures, 2017, , .	0.1	61
38	Bacoside-A, an Indian Traditional-Medicine Substance, Inhibits β -Amyloid Cytotoxicity, Fibrillation, and Membrane Interactions. ACS Chemical Neuroscience, 2017, 8, 884-891.	3.5	60
39	Detection of Reactive Oxygen Species by a Carbon-Dot-Ascorbic Acid Hydrogel. Analytical Chemistry, 2017, 89, 830-836.	6.5	60
40	Visualization of Membrane Processes in Living Cells by Surface-Attached Chromatic Polymer Patches. Angewandte Chemie - International Edition, 2005, 44, 1092-1096.	13.8	59
41	Solar-Enabled Water Remediation via Recyclable Carbon Dot/Hydrogel Composites. ACS Sustainable Chemistry and Engineering, 2019, 7, 13186-13194.	6.7	59
42	Biomimetic lipid/polymer colorimetric membranes. Journal of Lipid Research, 2003, 44, 65-71.	4.2	58
43	Investigations of antimicrobial peptides in planar film systems. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1393-1407.	2.6	58
44	Solar-mediated oil-spill cleanup by a carbon dot-polyurethane sponge. Carbon, 2020, 160, 196-203.	10.3	58
45	Membrane binding and permeation by indolicidin analogs studied by a biomimetic lipid/polydiacetylene vesicle assay. Peptides, 2003, 24, 1753-1761.	2.4	57
46	NMR structure of the principal neutralizing determinant of HIV-1 displayed in filamentous bacteriophage coat protein. Journal of Molecular Biology, 1997, 266, 649-655.	4.2	53
47	Quantitative interactions between cryptdin-4 amino terminal variants and membranes. Peptides, 2003, 24, 1795-1805.	2.4	53
48	Lipid binding and membrane penetration of polymyxin B derivatives studied in a biomimetic vesicle system. Biochemical Journal, 2003, 375, 405-413.	3.7	53
49	Polydiacetylene hydrogel self-healing capacitive strain sensor. Journal of Materials Chemistry C, 2020, 8, 6034-6041.	5.5	53
50	Biomolecular Sensing with Colorimetric Vesicles. , 2007, , 155-180.		52
51	Carbon-dot-hydrogel for enzyme-mediated bacterial detection. RSC Advances, 2017, 7, 588-594.	3.6	51
52	Membrane Interactions of Host-defense Peptides Studied in Model Systems. Current Protein and Peptide Science, 2005, 6, 103-114.	1.4	50
53	Selective Labeling and Growth Inhibition of <i>Pseudomonas aeruginosa</i> by Aminoguanidine Carbon Dots. ACS Infectious Diseases, 2019, 5, 292-302.	3.8	50
54	Rapid Colorimetric Screening of Drug Interaction and Penetration Through Lipid Barriers. Pharmaceutical Research, 2006, 23, 580-588.	3.5	48

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55	A new colorimetric assay for studying and rapid screening of membrane penetration enhancers. <i>Pharmaceutical Research</i> , 2001, 18, 943-949.	3.5	47
56	A flexible high-sensitivity piezoresistive sensor comprising a Au nanoribbon-coated polymer sponge. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9247-9252.	5.5	46
57	Purpurin modulates Tau-derived VQIVYK fibrillization and ameliorates Alzheimer's disease-like symptoms in animal model. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2795-2813.	5.4	46
58	Revisiting thioflavin T (ThT) fluorescence as a marker of protein fibrillation – The prominent role of electrostatic interactions. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 87-95.	9.4	46
59	Mechanisms of α -Defensin Bactericidal Action: Comparative Membrane Disruption by Cryptdin-4 and Its Disulfide-Null Analogue. <i>Biochemistry</i> , 2008, 47, 12626-12634.	2.5	45
60	Imaging <i>Pseudomonas aeruginosa</i> Biofilm Extracellular Polymer Scaffolds with Amphiphilic Carbon Dots. <i>ACS Chemical Biology</i> , 2016, 11, 1265-1270.	3.4	43
61	Elastic carbon dot/polymer films for fluorescent tensile sensing and mechano-optical tuning. <i>Carbon</i> , 2019, 152, 363-371.	10.3	42
62	The amphibian antimicrobial peptide uperin 3.5 is a cross- β /cross- β^2 chameleon functional amyloid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	41
63	Ascorbic Acid-PEI Carbon Dots with Osteogenic Effects as miR-2861 Carriers to Effectively Enhance Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50287-50302.	8.0	40
64	Matrix Metalloproteinase-7 Activation of Mouse Paneth Cell Pro- α -defensins. <i>Journal of Biological Chemistry</i> , 2006, 281, 28932-28942.	3.4	39
65	Graphene Quantum Dots Wrapped Gold Nanoparticles with Integrated Enhancement Mechanisms as Sensitive and Homogeneous Substrates for Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 7295-7303.	6.5	39
66	Porous graphene oxide chemi-capacitor vapor sensor array. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1128-1135.	5.5	37
67	Bilayer localization of membrane-active peptides studied in biomimetic vesicles by visible and fluorescence spectroscopies. <i>FEBS Journal</i> , 2003, 270, 4478-4487.	0.2	36
68	The effect of backbone cyclization on PK/PD properties of bioactive peptide-peptoid hybrids: The melanocortin agonist paradigm. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 580-589.	3.0	36
69	Colorimetric sensors for drug discovery and biomedical diagnostics. <i>Drug Development Research</i> , 2000, 50, 497-501.	2.9	34
70	Detection and analysis of membrane interactions by a biomimetic colorimetric lipid/polydiacetylene assay. <i>Analytical Biochemistry</i> , 2003, 319, 96-104.	2.4	34
71	Glass-supported lipid/polydiacetylene films for colour sensing of membrane-active compounds. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3247-3251.	10.1	34
72	Aggregation of Oligoarginines at Phospholipid Membranes: Molecular Dynamics Simulations, Time-Dependent Fluorescence Shift, and Biomimetic Colorimetric Assays. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11530-11540.	2.6	34

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73	“On/off/on”-hydrogen-peroxide sensor with hemoglobin-functionalized carbon dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 223-230.	7.8	34
74	Covalently Linked Perylene Diimide “Polydiacetylene Nanofibers Display Enhanced Stability and Photocurrent with Reversible FRET Phenomenon. <i>Small</i> , 2019, 15, e1901342.	10.0	34
75	Microscopic Visualization of Alamethicin Incorporation into Model Membrane Monolayers. <i>Langmuir</i> , 2004, 20, 11084-11091.	3.5	32
76	Self-Assembled Transparent Conductive Electrodes from Au Nanoparticles in Surfactant Monolayer Templates. <i>Advanced Materials</i> , 2011, 23, 4327-4331.	21.0	32
77	Mixed Diacetylene/Octadecyl Melamine Nanowires Formed at the Air/Water Interface Exhibit Unique Structural and Colorimetric Properties. <i>Langmuir</i> , 2015, 31, 5843-5850.	3.5	31
78	Lipid-Bilayer Dynamics Probed by a Carbon Dot-Phospholipid Conjugate. <i>Biophysical Journal</i> , 2016, 110, 2016-2025.	0.5	31
79	Thenoyltrifluoroacetone (TTA) “Carbon Dot/Aerogel Fluorescent Sensor for Lanthanide and Actinide Ions. <i>ACS Omega</i> , 2017, 2, 9288-9295.	3.5	31
80	Effects of temperature and Y21M mutation on conformational heterogeneity of the major coat protein (pVIII) of filamentous bacteriophage fd 1 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 286, 787-796.	4.2	30
81	Pardaxin, a fish toxin peptide interaction with a biomimetic phospholipid/polydiacetylene membrane assay. <i>Peptides</i> , 2008, 29, 1620-1625.	2.4	30
82	Membrane interactions and lipid binding of casein oligomers and early aggregates. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2341-2349.	2.6	30
83	Transparent, conductive gold nanowire networks assembled from soluble Au thiocyanate. <i>Chemical Communications</i> , 2013, 49, 8552.	4.1	30
84	Synthesis and characterization of a nanostructured porous silicon/carbon dot-hybrid for orthogonal molecular detection. <i>NPG Asia Materials</i> , 2018, 10, e463-e463.	7.9	29
85	Lipid/Polydiacetylene Films for Colorimetric Protein Surface-Charge Analysis. <i>Analytical Chemistry</i> , 2008, 80, 7804-7811.	6.5	28
86	Toxicity Inhibitors Protect Lipid Membranes from Disruption by A β 242. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1860-1869.	3.5	28
87	Reciprocal Interactions between Membrane Bilayers and <i>S. aureus</i> PSM \pm 3 Cross- β Amyloid Fibrils Account for Species-Specific Cytotoxicity. <i>Journal of Molecular Biology</i> , 2018, 430, 1431-1441.	4.2	28
88	Porous Graphene Oxide “Metal Ion Composite for Selective Sensing of Organophosphate Gases. <i>ACS Sensors</i> , 2020, 5, 1573-1581.	7.8	28
89	Carbon dot-polymer nanoporous membrane for recyclable sunlight-sterilized facemasks. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 342-348.	9.4	28
90	Divergent Heparin-Induced Fibrillation Pathways of a Prion Amyloidogenic Determinant. <i>ChemBioChem</i> , 2010, 11, 1997-2002.	2.6	27

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91	Transparent, conductive, and SERS-active Au nanofiber films assembled on an amphiphilic peptide template. <i>Nanoscale</i> , 2013, 5, 10487.	5.6	27
92	Aggregation Modulators Interfere with Membrane Interactions of β 2-Microglobulin Fibrils. <i>Biophysical Journal</i> , 2013, 105, 745-755.	0.5	27
93	Polydiacetylene- <i>l</i> -Perylenediimide Supercapacitors. <i>ChemSusChem</i> , 2020, 13, 3230-3236.	6.8	27
94	Bolaamphiphilic vesicles encapsulating iron oxide nanoparticles: New vehicles for magnetically targeted drug delivery. <i>International Journal of Pharmaceutics</i> , 2013, 450, 241-249.	5.2	26
95	Stacking interactions by two Phe side chains stabilize and orient assemblies of even the minimal amphiphilic β -sheet motif. <i>Chemical Communications</i> , 2015, 51, 3154-3157.	4.1	26
96	Photocatalytic hybrid Au/ZnO nanoparticles assembled through a one-pot method. <i>Journal of Colloid and Interface Science</i> , 2015, 460, 113-118.	9.4	26
97	Polydiacetylene Capacitive Artificial Nose. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4470-4479.	8.0	26
98	Biomimetic approaches for studying membrane processes. <i>Molecular BioSystems</i> , 2009, 5, 811.	2.9	25
99	Membrane Interactions of Novicidin, a Novel Antimicrobial Peptide: Phosphatidylglycerol Promotes Bilayer Insertion. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11053-11060.	2.6	25
100	Lipid Bilayers Significantly Modulate Cross-Fibrillation of Two Distinct Amyloidogenic Peptides. <i>Journal of the American Chemical Society</i> , 2013, 135, 13582-13589.	13.7	25
101	Patterned Transparent Conductive Au Films through Direct Reduction of Gold Thiocyanate. <i>Advanced Functional Materials</i> , 2013, 23, 5663-5668.	14.9	25
102	Characterization and Physical Properties of Carbon-Dots. <i>Carbon Nanostructures</i> , 2017, , 29-46.	0.1	25
103	Triphenylphosphonium- <i>l</i> -Derived Bright Green Fluorescent Carbon Dots for Mitochondrial Targeting and Rapid Selective Detection of Tetracycline. <i>ChemNanoMat</i> , 2021, 7, 545-552.	2.8	25
104	Tungsten- <i>l</i> -Disulfide/Polyaniline High Frequency Supercapacitors. <i>Advanced Electronic Materials</i> , 2021, 7, 2100025.	5.1	25
105	β -Amyloid fibrils catalyze neurotransmitter degradation. <i>Chem Catalysis</i> , 2021, 1, 908-922.	6.1	24
106	Lysine- <i>l</i> -Derived Carbon Dots for Chiral Inhibition of Prion Peptide Fibril Assembly. <i>Advanced Therapeutics</i> , 2018, 1, 1800006.	3.2	23
107	β 42 Double Mutant Inhibits β 42-Induced Plasma and Mitochondrial Membrane Disruption in Artificial Membranes, Isolated Organs, and Intact Cells. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1027-1037.	3.5	23
108	Phospholipid-Induced Fibrillation of a Prion Amyloidogenic Determinant at the Air/Water Interface. <i>Langmuir</i> , 2009, 25, 12501-12506.	3.5	22

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109	Gold Nanoparticle Self-Assembly in Saturated Phospholipid Monolayers. <i>Langmuir</i> , 2010, 26, 7893-7898.	3.5	22
110	Some Phorbol Esters Might Partially Resemble Bryostatin 1 in their Actions on LNCaP Prostate Cancer Cells and U937 Leukemia Cells. <i>ChemBioChem</i> , 2011, 12, 1242-1251.	2.6	22
111	Bifunctional Carbon-Dot Nanorods for Photothermal Therapy and Cell Imaging. <i>Chemistry - A European Journal</i> , 2017, 23, 963-969.	3.3	22
112	Gold Nanoparticle Self-Assembly in Two-Component Lipid Langmuir Monolayers. <i>Langmuir</i> , 2011, 27, 1260-1268.	3.5	21
113	Interactions between BIM Protein and Beta-Amyloid May Reveal a Crucial Missing Link between Alzheimer's Disease and Neuronal Cell Death. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3555-3564.	3.5	21
114	Sunlight-Activated Phase Transformation in Carbon Dot-Hydrogel Facilitates Water Purification and Optical Switching. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2810-2818.	4.4	21
115	Light-Induced Conductivity in a Solution-Processed Film of Polydiacetylene and Perylene Diimide. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1628-1631.	4.6	20
116	Carbon and Nitrogen Based Nanosheets as Fluorescent Probes with Tunable Emission. <i>Small</i> , 2018, 14, e1800516.	10.0	20
117	Bacterial Model Membranes Reshape Fibrillation of a Functional Amyloid Protein. <i>Biochemistry</i> , 2018, 57, 5230-5238.	2.5	20
118	Nanostructured Nickel/Ruthenium/Ruthenium-Oxide Supercapacitor Displaying Exceptional High Frequency Response. <i>Advanced Electronic Materials</i> , 2020, 6, 1900844.	5.1	20
119	Polydiacetylene sensor interaction with food sanitizers and surfactants. <i>Food Chemistry</i> , 2017, 221, 515-520.	8.2	19
120	Deciphering the Rules for Amino Acid Co-Assembly Based on Interlayer Distances. <i>ACS Nano</i> , 2019, 13, 1703-1712.	14.6	19
121	Bacoside-A, an anti-amyloid natural substance, inhibits membrane disruption by the amyloidogenic determinant of prion protein through accelerating fibril formation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2208-2214.	2.6	18
122	Sniffing Bacteria with a Carbon-Dot Artificial Nose. <i>Nano-Micro Letters</i> , 2021, 13, 112.	27.0	18
123	Amyloid " Membrane Interactions: Experimental Approaches and Techniques. <i>Current Protein and Peptide Science</i> , 2010, 11, 372-384.	1.4	17
124	"Bottom-up" transparent electrodes. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 267-289.	9.4	17
125	Specific Mutations Alter Fibrillation Kinetics, Fiber Morphologies, and Membrane Interactions of Pentapeptides Derived from Human Calcitonin. <i>Biochemistry</i> , 2010, 49, 5299-5307.	2.5	16
126	Nonplanar Conductive Surfaces via "Bottom-Up" Nanostructured Gold Coating. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3341-3346.	8.0	16

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127	Unilamellar Vesicles from Amphiphilic Graphene Quantum Dots. <i>Chemistry - A European Journal</i> , 2015, 21, 7755-7759.	3.3	16
128	High surface area electrodes by template-free self-assembled hierarchical porous gold architecture. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 84-89.	9.4	16
129	Hierarchical Assembly of Polydiacetylene Microtube Biosensors Mediated by Divalent Metal Ions. <i>ChemPlusChem</i> , 2016, 81, 119-124.	2.8	16
130	Membrane anchoring of diacylglycerol lactones substituted with rigid hydrophobic acyl domains correlates with biological activities. <i>FEBS Journal</i> , 2010, 277, 233-243.	4.7	15
131	N-terminal aromatic residues closely impact the cytolytic activity of cupiennin 1a, a major spider venom peptide. <i>Toxicon</i> , 2013, 75, 177-186.	1.6	15
132	Colorimetric analysis of painting materials using polymer-supported polydiacetylene films. <i>New Journal of Chemistry</i> , 2016, 40, 9054-9059.	2.8	15
133	Carbon-Dot Synthesis. <i>Carbon Nanostructures</i> , 2017, , 5-27.	0.1	15
134	Inhibition of <i>Staphylococcus aureus</i> biofilm-forming functional amyloid by molecular tweezers. <i>Cell Chemical Biology</i> , 2021, 28, 1310-1320.e5.	5.2	15
135	Freestanding Gold/Grapheneâ€Oxide/Manganese Oxide Microsupercapacitor Displaying High Areal Energy Density. <i>ChemSusChem</i> , 2017, 10, 2736-2741.	6.8	14
136	Inhibitory Effect of Naphthoquinone-Tryptophan Hybrid towards Aggregation of PAP f39 Semen Amyloid. <i>Molecules</i> , 2018, 23, 3279.	3.8	14
137	Unravelling the role of amino acid sequence order in the assembly and function of the amyloid- β core. <i>Chemical Communications</i> , 2019, 55, 8595-8598.	4.1	14
138	Inhibition of tau amyloid formation and disruption of its preformed fibrils by Naphthoquinoneâ€Dopamine hybrid. <i>FEBS Journal</i> , 2021, 288, 4267-4290.	4.7	14
139	Cross-kingdom inhibition of bacterial virulence and communication by probiotic yeast metabolites. <i>Microbiome</i> , 2021, 9, 70.	11.1	14
140	Membrane Interactions and Metal Ion Effects on Bilayer Permeation of the Lipophilic Ion Modulator DP-109. <i>Biochemistry</i> , 2005, 44, 12077-12085.	2.5	13
141	Pomegranate Juice Polyphenols Induce Macrophage Death via Apoptosis as Opposed to Necrosis Induced by Free Radical Generation: A Central Role for Oxidative Stress. <i>Journal of Cardiovascular Pharmacology</i> , 2016, 68, 106-114.	1.9	13
142	Tryptophanâ€glucosamine conjugates modulate tau-derived PHF6 aggregation at low concentrations. <i>Chemical Communications</i> , 2019, 55, 14621-14624.	4.1	13
143	Current progress in carbon dots: synthesis, properties and applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1287-1288.	5.9	13
144	Porous Silicon Bragg Reflector/Carbon Dot Hybrids: Synthesis, Nanostructure, and Optical Properties. <i>Frontiers in Chemistry</i> , 2018, 6, 574.	3.6	12

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145	Chromatic Dendrimer/Polydiacetylene Nanoparticles. ACS Applied Polymer Materials, 2021, 3, 2931-2937.	4.4	12
146	Laser-Modulated Ordering of Gold Nanoparticles at the Air/Water Interface. Angewandte Chemie - International Edition, 2009, 48, 4540-4542.	13.8	11
147	Gold Nanostructures in Diacetylene Monolayer Templates. Journal of the American Chemical Society, 2009, 131, 2430-2431.	13.7	11
148	Screening Membrane Interactions of Pesticides by Cells Decorated with Chromatic Polymer Nanopatches. Chemical Research in Toxicology, 2009, 22, 90-96.	3.3	11
149	Synthesis, biological, and biophysical studies of DAG-indololactones designed as selective activators of RasGRP. Bioorganic and Medicinal Chemistry, 2014, 22, 3123-3140.	3.0	11
150	Directed self-assembly of graphene oxide on an electrospun polymer fiber template. Carbon, 2015, 95, 888-894.	10.3	11
151	Carbon Dots-Plasmonics Coupling Enables Energy Transfer and Provides Unique Chemical Signatures. Journal of Physical Chemistry Letters, 2017, 8, 6080-6085.	4.6	11
152	Nanoparticles modulate membrane interactions of human Islet amyloid polypeptide (hIAPP). Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1810-1817.	2.6	11
153	Cardiolipin mediates curcumin interactions with mitochondrial membranes. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 75-82.	2.6	11
154	Imaging membrane processes in erythrocyte ghosts by surface fusion of a chromatic polymer. Analytical Biochemistry, 2006, 348, 151-153.	2.4	10
155	Membrane processes and biophysical characterization of living cells decorated with chromatic polydiacetylene vesicles. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1335-1343.	2.6	9
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