

# Oren Regev

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121  
papers

6,952  
citations

43  
h-index

81  
g-index

128  
ext. papers

7,528  
ext. citations

7.2  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
121	Textile-reinforced mortar: Durability in salty environment. <i>Cement and Concrete Composites</i> , <b>2022</b> , 1045346	3.4	1
120	Enhancement of fabric mortar interfacial adhesion by particle decoration: insights from pull-off measurements. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2021</b> , 54, 1	3.4	1
119	Effects of Filler Size and Crystallinity on Thermal Performance and Flammability of Polymer Nanocomposites <b>2021</b> , 1-16		
118	Mixed dimensionality: Highly robust and multifunctional carbon-based composites. <i>Carbon</i> , <b>2021</b> , 176, 339-348	10.4	3
117	Molten salt in-situ exfoliation of graphite to graphene nanoplatelets applied for energy storage. <i>Carbon</i> , <b>2021</b> , 176, 168-177	10.4	4
116	Comparative trends and molecular analysis on the surfactant-assisted dispersibility of 1D and 2D carbon materials: Multiwalled nanotubes vs graphene nanoplatelets. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 333, 116002	6	5
115	Textile-cement bond enhancement: Sprinkle some hydrophilic powder. <i>Cement and Concrete Composites</i> , <b>2021</b> , 120, 104031	8.6	4
114	Graphite-based shape-stabilized composites for phase change material applications. <i>Renewable Energy</i> , <b>2021</b> , 167, 580-590	8.1	15
113	Trapped and Alone: Clay-Assisted Aqueous Graphene Dispersions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6879-6888	9.5	0
112	Compression-enhanced thermal conductivity of carbon loaded polymer composites. <i>Carbon</i> , <b>2020</b> , 163, 333-340	10.4	30
111	The effect of compatibility and dimensionality of carbon nanofillers on cement composites. <i>Construction and Building Materials</i> , <b>2020</b> , 232, 117141	6.7	22
110	Vegetable-Oil-Based Intelligent Ink for Oxygen Sensing. <i>ACS Sensors</i> , <b>2020</b> , 5, 3274-3280	9.2	5
109	Enhancing thermal conductivity in graphene-loaded paint: Effects of phase change, rheology and filler size. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 153, 106381	4.1	8
108	Catalyst Surface Dispersion: Insights into Hydrogenation Kinetics and Mechanism. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8813-8821	3.8	0
107	Gemini surfactants as efficient dispersants of multiwalled carbon nanotubes: Interplay of molecular parameters on nanotube dispersibility and debundling. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 547, 69-77	9.3	21
106	Graphene-graphite hybrid epoxy composites with controllable workability for thermal management. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 95-104	3	10
105	Graphene and boron nitride nanoplatelets for improving vapor barrier properties in epoxy nanocomposites. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105207	4.8	15

104	Short and Soft: Multidomain Organization, Tunable Dynamics, and Jamming in Suspensions of Grafted Colloidal Cylinders with a Small Aspect Ratio. <i>Langmuir</i> , <b>2019</b> , 35, 17103-17113	4	5
103	Reinforcement and workability aspects of graphene-oxide-reinforced cement nanocomposites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 161, 68-76	10	69
102	Cardinal Role of Intraliposome Doxorubicin-Sulfate Nanorod Crystal in Doxil Properties and Performance. <i>ACS Omega</i> , <b>2018</b> , 3, 2508-2517	3.9	29
101	Hydrogen storage kinetics: The graphene nanoplatelet size effect. <i>Carbon</i> , <b>2018</b> , 130, 369-376	10.4	23
100	Graphene-induced enhancement of water vapor barrier in polymer nanocomposites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 134, 218-224	10	29
99	Performance of nano-carbon loaded polymer composites: Dimensionality matters. <i>Carbon</i> , <b>2018</b> , 126, 410-418	10.4	46
98	Polymer nanocomposites: Insights on rheology, percolation and molecular mobility. <i>Polymer</i> , <b>2018</b> , 153, 52-60	3.9	17
97	Practical aspects in size and morphology characterization of drug-loaded nano-liposomes. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 547, 648-655	6.5	22
96	Dispersing Carbon Nanotubes in Water with Amphiphiles: Dispersant Adsorption, Kinetics, and Bundle Size Distribution as Defining Factors. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24386-24393	3.8	16
95	Block Copolymers as Dispersants for Single-Walled Carbon Nanotubes: Modes of Surface Attachment and Role of Block Polydispersity. <i>Langmuir</i> , <b>2018</b> , 34, 13672-13679	4	16
94	A minimal length rigid helical peptide motif allows rational design of modular surfactants. <i>Nature Communications</i> , <b>2017</b> , 8, 14018	17.4	43
93	Mechanical agitation induces counterintuitive aggregation of pre-dispersed carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 493, 398-404	9.3	7
92	Breaking through the Solid/Liquid Processability Barrier: Thermal Conductivity and Rheology in Hybrid Graphene-Graphite Polymer Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7556-7564	9.5	42
91	Optimal nanomaterial concentration: harnessing percolation theory to enhance polymer nanocomposite performance. <i>Nanotechnology</i> , <b>2017</b> , 28, 305701	3.4	14
90	Graphite-to-Graphene: Total Conversion. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603528	24	73
89	Tuning Mg hydriding kinetics with nanocarbons. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 725, 616-622	5.7	13
88	Top-Down, Scalable Graphene Sheets Production: It Is All about the Precipitate. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9998-10006	9.6	30
87	Graphene nanoribbon [Polymer composites: The critical role of edge functionalization. <i>Carbon</i> , <b>2016</b> , 99, 444-450	10.4	72

86	Graphene Quantum Dots Produced by Microfluidization. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 21-24	9.6	57
85	Hydrogen storage and spillover kinetics in carbon nanotube-Mg composites. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 2814-2819	6.7	24
84	Low-temperature polymerization of methyl methacrylate emulsion gels through surfactant catalysis. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 461, 128-135	9.3	9
83	The critical role of nanotube shape in cement composites. <i>Cement and Concrete Composites</i> , <b>2016</b> , 71, 166-174	8.6	41
82	Distinguishing Self-Assembled Pyrene Structures from Exfoliated Graphene. <i>Langmuir</i> , <b>2016</b> , 32, 10699-10704	10	
81	The multiple roles of a dispersant in nanocomposite systems. <i>Composites Science and Technology</i> , <b>2016</b> , 133, 192-199	8.6	35
80	Thermally Conductive Graphene-Polymer Composites: Size, Percolation, and Synergy Effects. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 2100-2106	9.6	397
79	Nanobrick wall multilayer thin films grown faster and stronger using electrophoretic deposition. <i>Nanotechnology</i> , <b>2015</b> , 26, 185703	3.4	14
78	PS/CTAB/silica composites from room temperature polymerization of high internal phase emulsion gels. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 451, 161-9	9.3	9
77	Characterization of graphene-nanoplatelets structure via thermogravimetry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4076-80	7.8	43
76	Completely organic multilayer thin film with thermoelectric power factor rivaling inorganic tellurides. <i>Advanced Materials</i> , <b>2015</b> , 27, 2996-3001	24	184
75	Dispersing Carbon Nanotubes with Ionic Surfactants under Controlled Conditions: Comparisons and Insight. <i>Langmuir</i> , <b>2015</b> , 31, 10955-65	4	71
74	Hierarchical multi-step organization during viral capsid assembly. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 136, 674-7	6	4
73	Graphene-Based Hybrid Composites for Efficient Thermal Management of Electronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23725-30	9.5	121
72	WS2 nanotube Reinforced cement: Dispersion matters. <i>Construction and Building Materials</i> , <b>2015</b> , 98, 112-118	6.7	16
71	Surface Coverage and Competitive Adsorption on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 22190-22197	3.8	17
70	Cement Reinforcement by Nanotubes <b>2015</b> , 231-237		2
69	Inorganic nanoparticle thin film that suppresses flammability of polyurethane with only a single electrostatically-assembled bilayer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16903-8	9.5	71

68	Lateral Diffusion of Dispersing Molecules on Nanotubes As Probed by NMR. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 582-589	3.8	18
67	Improving the gas barrier property of clay-polymer multilayer thin films using shorter deposition times. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6040-8	9.5	51
66	Carbon Allotropes Accelerate Hydrogenation via Spillover Mechanism. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 27164-27169	3.8	16
65	pH sensitive tubules of a bile acid derivative: a tubule opening by release of wall leaves. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 7560-6	3.6	35
64	Solid-state solvent-free catalyzed hydrogenation: Enhancing reaction efficiency by spillover agents. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 376, 48-52		6
63	Fracture behavior of nanotube/polymer composites: Insights on surface roughness and failure mechanism. <i>Composites Science and Technology</i> , <b>2013</b> , 87, 157-163	8.6	80
62	Diameter-selective dispersion of carbon nanotubes by Lactoglobulin whey protein. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 16-22	6	12
61	A simple solution for the determination of pristine carbon nanotube concentration. <i>Analyst, The</i> , <b>2013</b> , 138, 1490-6	5	26
60	Critical parameters in exfoliating graphite into graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 4428-35	3.6	64
59	Chiroptical Activity in Silver Cholate Nanostructures Induced by the Formation of Nanoparticle Assemblies. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 22240-22244	3.8	39
58	Worm-like soft nanostructures in nonionic systems: principles, properties and application as templates. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 4497-520	1.3	8
57	Carbon nanotubes-liposomes conjugate as a platform for drug delivery into cells. <i>Journal of Controlled Release</i> , <b>2012</b> , 160, 339-45	11.7	74
56	Carbon nanotubes as nanocarriers in medicine. <i>Current Opinion in Colloid and Interface Science</i> , <b>2012</b> , 17, 360-368	7.6	82
55	Polymer binding to carbon nanotubes in aqueous dispersions: residence time on the nanotube surface as obtained by NMR diffusometry. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 2635-42	3.4	34
54	Transient fibril structures facilitating nonenzymatic self-replication. <i>ACS Nano</i> , <b>2012</b> , 6, 7893-901	16.7	60
53	Thermal conductivity improvement of electrically nonconducting composite materials. <i>Reviews in Chemical Engineering</i> , <b>2012</b> , 28,	5	9
52	Protein Dispersant Binding on Nanotubes Studied by NMR Self-Diffusion and Cryo-TEM Techniques. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1414-1419	6.4	36
51	Cryo-staining techniques in cryo-TEM studies of dispersed nanotubes. <i>Ultramicroscopy</i> , <b>2010</b> , 110, 754-60	6.1	13

50	Phase transitions in O/W lauryl acrylate emulsions during phase inversion, studied by light microscopy and cryo-TEM. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 332, 19-25	5.1	33
49	"Shaken, not stable": dispersion mechanism and dynamics of protein-dispersed nanotubes studied via spectroscopy. <i>Langmuir</i> , <b>2009</b> , 25, 10459-65	4	38
48	pH effects on BSA-dispersed carbon nanotubes studied by spectroscopy-enhanced composition evaluation techniques. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 4049-54	7.8	64
47	Shear-induced ordering of micellar arrays in the presence of single-walled carbon nanotubes. <i>Chemical Communications</i> , <b>2008</b> , 2037-9	5.8	21
46	Preparation and characterization of a novel pyrrole-benzophenone copolymerized silica nanocomposite as a reagent in a visual immunologic-agglutination test. <i>Talanta</i> , <b>2008</b> , 75, 1324-31	6.2	9
45	Phase behavior and shear alignment in SWNT-surfactant dispersions. <i>Small</i> , <b>2008</b> , 4, 1459-67	11	36
44	Weak polyelectrolyte control of carbon nanotube dispersion in water. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 317, 346-9	9.3	53
43	Synergetic effect of ultrasound and sodium dodecyl sulphate in the formation of CdS nanostructures in aqueous solution. <i>Ultrasonics Sonochemistry</i> , <b>2007</b> , 14, 398-404	8.9	19
42	On the fate of carbon nanotubes: Morphological characterisations. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 783-788	8.6	21
41	Exploring a nanotube dispersion mechanism with gold-labeled proteins via cryo-TEM imaging. <i>Small</i> , <b>2007</b> , 3, 1894-9	11	37
40	Preparation and characterization of a double filler polymeric nanocomposite. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 895-899	8.6	19
39	Preparation and characterization of a carbon nanotube-lyotropic liquid crystal composite. <i>Langmuir</i> , <b>2006</b> , 22, 854-6	4	83
38	Determination of the concentration of single-walled carbon nanotubes in aqueous dispersions using UV-visible absorption spectroscopy. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 8098-104	7.8	184
37	Toolbox for Dispersing Carbon Nanotubes into Polymers To Get Conductive Nanocomposites. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1089-1099	9.6	466
36	Time-dependent study of the exfoliation process of carbon nanotubes in aqueous dispersions by using UV-visible spectroscopy. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 5135-9	7.8	194
35	Hierarchically Ordered Cadmium Sulfide Nanowires Dispersed in Aqueous Solution. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3281-3287	9.6	45
34	Visualization of single-wall carbon nanotube (SWNT) networks in conductive polystyrene nanocomposites by charge contrast imaging. <i>Ultramicroscopy</i> , <b>2005</b> , 104, 160-7	3.1	135
33	Templating nanostructures by mesoporous materials with an emphasis on room temperature and cryogenic TEM studies. <i>Current Opinion in Colloid and Interface Science</i> , <b>2005</b> , 10, 280-286	7.6	6

32	About morphology in ethylene-propylene(-diene) copolymers-based latexes. <i>Polymer</i> , <b>2005</b> , 46, 7094-7108	9	21
31	Dynamic light scattering and cryogenic transmission electron microscopy investigations on metallo-supramolecular aqueous micelles: evidence of secondary aggregation. <i>Colloid and Polymer Science</i> , <b>2004</b> , 282, 407-411	2.4	33
30	Preparation of Conductive Nanotube-Polymer Composites Using Latex Technology. <i>Advanced Materials</i> , <b>2004</b> , 16, 248-251	24	329
29	Gold Nanoparticles Spontaneously Generated in Onion-Type Multilamellar Vesicles. Bilayers-Particle Coupling Imaged by Cryo-TEM. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 5280-5285	9.6	61
28	Transferable Thin Films of Mesoporous Silica. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3619-3624	9.6	16
27	Evidence for vesicle formation during the synthesis of cationic templated mesoscopically ordered silica as studied by Cryo-TEM. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 652-3	16.4	70
26	Cationic Vesicle-PEG-Lipid System: Langmuir Film and Phase Diagram Study. <i>Langmuir</i> , <b>2002</b> , 18, 5681-5686	4	8
25	Stabilization of Individual Carbon Nanotubes in Aqueous Solutions. <i>Nano Letters</i> , <b>2002</b> , 2, 25-28	11.5	636
24	Utilizing Old Egyptian Wisdom for Stabilization of Individual Carbon Nanotubes in Aqueous Dispersions. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 706, 1		1
23	A Cryo-TEM Study of Protein-Surfactant Gels and Solutions. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 222, 170-178	9.3	21
22	Enhancing the immunogenicity of liposomal hepatitis B surface antigen (HBsAg) by controlling its delivery from polymeric microspheres. <i>Journal of Pharmaceutical Sciences</i> , <b>2000</b> , 89, 1550-7	3.9	18
21	The in situ phase transitions occurring during bicontinuous cubic phase formation. <i>Microporous and Mesoporous Materials</i> , <b>2000</b> , 38, 413-421	5.3	38
20	Micelles, Dispersions, and Liquid Crystals in the Cationic Mixture Bile Salt-Double-Chained Surfactant. The Bile Salt-Rich Area. <i>Langmuir</i> , <b>2000</b> , 16, 8255-8262	4	37
19	Wetting stability of Si-MCM-41 mesoporous material in neutral, acidic and basic aqueous solutions. <i>Microporous and Mesoporous Materials</i> , <b>1999</b> , 33, 149-163	5.3	157
18	Aggregation Behavior of Tyloxapol, a Nonionic Surfactant Oligomer, in Aqueous Solution. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 210, 8-17	9.3	85
17	Shape Changes of C16TABr Micelles on Benzene Solubilization. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 9631-9639	3.4	45
16	Vesicle Formation and General Phase Behavior in the Cationic Mixture SDS-DABCO-Water. The Cationic-Rich Side. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 8353-8363	3.4	146
15	Interactions between Cationic Vesicles and Oppositely Charged Polyelectrolytes-Phase Behavior and Phase Structure. <i>Macromolecules</i> , <b>1999</b> , 32, 6626-6637	5.5	100

14	Polymer-Induced Structural Effects on Catanionic Vesicles: Formation of Faceted Vesicles, Disks, and Cross-links. <i>Langmuir</i> , <b>1999</b> , 15, 642-645	4	49
13	Directing Silver Nanoparticles into Colloid Surfactant Lyotropic Lamellar Systems. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 5613-5621	3-4	37
12	Surfactant-Polymer Interactions: Phase Diagram and Fusion of Vesicle in the Didodecyldimethylammonium Bromide-Poly(ethylene oxide)-Water System. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 200, 19-30	9-3	42
11	Vesicle Formation and General Phase Behavior in the Catanionic Mixture SDS/DDAB-Water. The Anionic-Rich Side. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 6746-6758	3-4	223
10	Phase Behavior and Characterization of Micellar and Cubic Phases in the Nonionic Surfactant C <sub>17</sub> E <sub>8</sub> /Water System. A PFG NMR, SAXS, Cryo-TEM, and Fluorescence Study. <i>Langmuir</i> , <b>1998</b> , 14, 5730-5739	4	25
9	Directing Oleate Stabilized Nanosized Silver Colloids into Organic Phases. <i>Langmuir</i> , <b>1998</b> , 14, 602-610	4	243
8	Characterization of microencapsulated liposome systems for the controlled delivery of liposome-associated macromolecules. <i>Journal of Controlled Release</i> , <b>1997</b> , 43, 35-45	11-7	30
7	Enormous Concentration-Induced Growth of Polymer-like Micelles. <i>Langmuir</i> , <b>1996</b> , 12, 2894-2899	4	88
6	Nucleation Events during the Synthesis of Mesoporous Materials Using Liquid Crystalline Templating. <i>Langmuir</i> , <b>1996</b> , 12, 4940-4944	4	84
5	Alkyl Chain Symmetry Effects in Mixed Cationic-Anionic Surfactant Systems. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 182, 95-109	9-3	91
4	A study of the initial stage in the crystallization of TPA-silicalite-1. <i>Zeolites</i> , <b>1996</b> , 17, 447-456		121
3	Cryo-TEM and NMR Studies of Solution Microstructures of Double-Tailed Surfactant Systems: Didodecyldimethylammonium Hydroxide, Acetate, and Sulfate. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 6619-6625		44
2	Mixed surfactants: Sodium bis(2-ethyl-hexyl)sulphosuccinate- didodecyldimethyl-ammonium bromide- water system <b>1994</b> , 146-150		3
1	Precursors of the zeolite ZSM-5 imaged by Cryo-TEM and analyzed by SAXS. <i>Zeolites</i> , <b>1994</b> , 14, 314-319		79