

Oren Regev

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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	Stabilization of Individual Carbon Nanotubes in Aqueous Solutions. <i>Nano Letters</i> , 2002 , 2, 25-28	11.5	636
120	Toolbox for Dispersing Carbon Nanotubes into Polymers To Get Conductive Nanocomposites. <i>Chemistry of Materials</i> , 2006 , 18, 1089-1099	9.6	466
119	Thermally Conductive Graphene-Polymer Composites: Size, Percolation, and Synergy Effects. <i>Chemistry of Materials</i> , 2015 , 27, 2100-2106	9.6	397
118	Preparation of Conductive Nanotube-Polymer Composites Using Latex Technology. <i>Advanced Materials</i> , 2004 , 16, 248-251	24	329
117	Directing Oleate Stabilized Nanosized Silver Colloids into Organic Phases. <i>Langmuir</i> , 1998 , 14, 602-610	4	243
116	Vesicle Formation and General Phase Behavior in the Catanionic Mixture SDS/DAB/Water. The Anionic-Rich Side. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 6746-6758	3.4	223
115	Time-dependent study of the exfoliation process of carbon nanotubes in aqueous dispersions by using UV-visible spectroscopy. <i>Analytical Chemistry</i> , 2005 , 77, 5135-9	7.8	194
114	Completely organic multilayer thin film with thermoelectric power factor rivaling inorganic tellurides. <i>Advanced Materials</i> , 2015 , 27, 2996-3001	24	184
113	Determination of the concentration of single-walled carbon nanotubes in aqueous dispersions using UV-visible absorption spectroscopy. <i>Analytical Chemistry</i> , 2006 , 78, 8098-104	7.8	184
112	Wetting stability of Si-MCM-41 mesoporous material in neutral, acidic and basic aqueous solutions. <i>Microporous and Mesoporous Materials</i> , 1999 , 33, 149-163	5.3	157
111	Vesicle Formation and General Phase Behavior in the Catanionic Mixture SDS/DAB/Water. The Cationic-Rich Side. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 8353-8363	3.4	146
110	Visualization of single-wall carbon nanotube (SWNT) networks in conductive polystyrene nanocomposites by charge contrast imaging. <i>Ultramicroscopy</i> , 2005 , 104, 160-7	3.1	135
109	Graphene-Based Hybrid Composites for Efficient Thermal Management of Electronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23725-30	9.5	121
108	A study of the initial stage in the crystallization of TPA-silicalite-1. <i>Zeolites</i> , 1996 , 17, 447-456		121
107	Interactions between Catanionic Vesicles and Oppositely Charged Polyelectrolytes Phase Behavior and Phase Structure. <i>Macromolecules</i> , 1999 , 32, 6626-6637	5.5	100
106	Alkyl Chain Symmetry Effects in Mixed Cationic-Anionic Surfactant Systems. <i>Journal of Colloid and Interface Science</i> , 1996 , 182, 95-109	9.3	91
105	Enormous Concentration-Induced Growth of Polymer-like Micelles. <i>Langmuir</i> , 1996 , 12, 2894-2899	4	88

104	Aggregation Behavior of Tyloxapol, a Nonionic Surfactant Oligomer, in Aqueous Solution. <i>Journal of Colloid and Interface Science</i> , 1999 , 210, 8-17	9.3	85
103	Nucleation Events during the Synthesis of Mesoporous Materials Using Liquid Crystalline Templating. <i>Langmuir</i> , 1996 , 12, 4940-4944	4	84
102	Preparation and characterization of a carbon nanotube-lyotropic liquid crystal composite. <i>Langmuir</i> , 2006 , 22, 854-6	4	83
101	Carbon nanotubes as nanocarriers in medicine. <i>Current Opinion in Colloid and Interface Science</i> , 2012 , 17, 360-368	7.6	82
100	Fracture behavior of nanotube-polymer composites: Insights on surface roughness and failure mechanism. <i>Composites Science and Technology</i> , 2013 , 87, 157-163	8.6	80
99	Precursors of the zeolite ZSM-5 imaged by Cryo-TEM and analyzed by SAXS. <i>Zeolites</i> , 1994 , 14, 314-319		79
98	Carbon nanotubes-liposomes conjugate as a platform for drug delivery into cells. <i>Journal of Controlled Release</i> , 2012 , 160, 339-45	11.7	74
97	Graphite-to-Graphene: Total Conversion. <i>Advanced Materials</i> , 2017 , 29, 1603528	24	73
96	Graphene nanoribbon-polymer composites: The critical role of edge functionalization. <i>Carbon</i> , 2016 , 99, 444-450	10.4	72
95	Dispersing Carbon Nanotubes with Ionic Surfactants under Controlled Conditions: Comparisons and Insight. <i>Langmuir</i> , 2015 , 31, 10955-65	4	71
94	Inorganic nanoparticle thin film that suppresses flammability of polyurethane with only a single electrostatically-assembled bilayer. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16903-8	9.5	71
93	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> , 2003 , 125, 652-3	16.4	70
92	Reinforcement and workability aspects of graphene-oxide-reinforced cement nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 161, 68-76	10	69
91	Critical parameters in exfoliating graphite into graphene. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4428-35	3.6	64
90	pH effects on BSA-dispersed carbon nanotubes studied by spectroscopy-enhanced composition evaluation techniques. <i>Analytical Chemistry</i> , 2008 , 80, 4049-54	7.8	64
89	Gold Nanoparticles Spontaneously Generated in Onion-Type Multilamellar Vesicles. Bilayers-Particle Coupling Imaged by Cryo-TEM. <i>Chemistry of Materials</i> , 2004 , 16, 5280-5285	9.6	61
88	Transient fibril structures facilitating nonenzymatic self-replication. <i>ACS Nano</i> , 2012 , 6, 7893-901	16.7	60
87	Graphene Quantum Dots Produced by Microfluidization. <i>Chemistry of Materials</i> , 2016 , 28, 21-24	9.6	57

86	Weak polyelectrolyte control of carbon nanotube dispersion in water. <i>Journal of Colloid and Interface Science</i> , 2008 , 317, 346-9	9.3	53
85	Improving the gas barrier property of clay-polymer multilayer thin films using shorter deposition times. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6040-8	9.5	51
84	Polymer-Induced Structural Effects on Catanionic Vesicles: Formation of Faceted Vesicles, Disks, and Cross-links. <i>Langmuir</i> , 1999 , 15, 642-645	4	49
83	Performance of nano-carbon loaded polymer composites: Dimensionality matters. <i>Carbon</i> , 2018 , 126, 410-418	10.4	46
82	Hierarchically Ordered Cadmium Sulfide Nanowires Dispersed in Aqueous Solution. <i>Chemistry of Materials</i> , 2005 , 17, 3281-3287	9.6	45
81	Shape Changes of C16TABr Micelles on Benzene Solubilization. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 9631-9639	3.4	45
80	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> , 1994 , 98, 6619-6625		44
79	A minimal length rigid helical peptide motif allows rational design of modular surfactants. <i>Nature Communications</i> , 2017 , 8, 14018	17.4	43
78	Characterization of graphene-nanoplatelets structure via thermogravimetry. <i>Analytical Chemistry</i> , 2015 , 87, 4076-80	7.8	43
77	Breaking through the Solid/Liquid Processability Barrier: Thermal Conductivity and Rheology in Hybrid Graphene-Graphite Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7556-7564	9.5	42
76	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> , 1998 , 200, 19-30	9.3	42
75	The critical role of nanotube shape in cement composites. <i>Cement and Concrete Composites</i> , 2016 , 71, 166-174	8.6	41
74	Chiroptical Activity in Silver Cholates Nanostructures Induced by the Formation of Nanoparticle Assemblies. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 22240-22244	3.8	39
73	"Shaken, not stable": dispersion mechanism and dynamics of protein-dispersed nanotubes studied via spectroscopy. <i>Langmuir</i> , 2009 , 25, 10459-65	4	38
72	The in situ phase transitions occurring during bicontinuous cubic phase formation. <i>Microporous and Mesoporous Materials</i> , 2000 , 38, 413-421	5.3	38
71	Exploring a nanotube dispersion mechanism with gold-labeled proteins via cryo-TEM imaging. <i>Small</i> , 2007 , 3, 1894-9	11	37
70	Micelles, Dispersions, and Liquid Crystals in the Catanionic Mixture Bile Salt-Double-Chained Surfactant. The Bile Salt-Rich Area. <i>Langmuir</i> , 2000 , 16, 8255-8262	4	37
69	Directing Silver Nanoparticles into Colloid-Surfactant Lyotropic Lamellar Systems. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 5613-5621	3.4	37

68	Protein Dispersant Binding on Nanotubes Studied by NMR Self-Diffusion and Cryo-TEM Techniques. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1414-1419	6.4	36
67	Phase behavior and shear alignment in SWNT-surfactant dispersions. <i>Small</i> , 2008 , 4, 1459-67	11	36
66	pH sensitive tubules of a bile acid derivative: a tubule opening by release of wall leaves. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7560-6	3.6	35
65	The multiple roles of a dispersant in nanocomposite systems. <i>Composites Science and Technology</i> , 2016 , 133, 192-199	8.6	35
64	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> , 2012 , 116, 2635-42	3.4	34
63	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> , 2009 , 332, 19-25	5.1	33
62	Dynamic light scattering and cryogenic transmission electron microscopy investigations on metallo-supramolecular aqueous micelles: evidence of secondary aggregation. <i>Colloid and Polymer Science</i> , 2004 , 282, 407-411	2.4	33
61	Compression-enhanced thermal conductivity of carbon loaded polymer composites. <i>Carbon</i> , 2020 , 163, 333-340	10.4	30
60	Top-Down, Scalable Graphene Sheets Production: It Is All about the Precipitate. <i>Chemistry of Materials</i> , 2017 , 29, 9998-10006	9.6	30
59	Characterization of microencapsulated liposome systems for the controlled delivery of liposome-associated macromolecules. <i>Journal of Controlled Release</i> , 1997 , 43, 35-45	11.7	30
58	Cardinal Role of Intraliposome Doxorubicin-Sulfate Nanorod Crystal in Doxil Properties and Performance. <i>ACS Omega</i> , 2018 , 3, 2508-2517	3.9	29
57	Graphene-induced enhancement of water vapor barrier in polymer nanocomposites. <i>Composites Part B: Engineering</i> , 2018 , 134, 218-224	10	29
56	A simple solution for the determination of pristine carbon nanotube concentration. <i>Analyst, The</i> , 2013 , 138, 1490-6	5	26
55	Phase Behavior and Characterization of Micellar and Cubic Phases in the Nonionic Surfactant C ₁₇ E ₈₄ /Water System. A PFG NMR, SAXS, Cryo-TEM, and Fluorescence Study. <i>Langmuir</i> , 1998 , 14, 5730-5739	4	25
54	Hydrogen storage and spillover kinetics in carbon nanotube-Mg composites. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 2814-2819	6.7	24
53	Hydrogen storage kinetics: The graphene nanoplatelet size effect. <i>Carbon</i> , 2018 , 130, 369-376	10.4	23
52	Practical aspects in size and morphology characterization of drug-loaded nano-liposomes. <i>International Journal of Pharmaceutics</i> , 2018 , 547, 648-655	6.5	22
51	The effect of compatibility and dimensionality of carbon nanofillers on cement composites. <i>Construction and Building Materials</i> , 2020 , 232, 117141	6.7	22

50	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> , 2019 , 547, 69-77	9.3	21
49	Shear-induced ordering of micellar arrays in the presence of single-walled carbon nanotubes. <i>Chemical Communications</i> , 2008 , 2037-9	5.8	21
48	On the fate of carbon nanotubes: Morphological characterisations. <i>Composites Science and Technology</i> , 2007 , 67, 783-788	8.6	21
47	About morphology in ethylene-propylene(-diene) copolymers-based latexes. <i>Polymer</i> , 2005 , 46, 7094-7108	3.9	21
46	A Cryo-TEM Study of Protein-Surfactant Gels and Solutions. <i>Journal of Colloid and Interface Science</i> , 2000 , 222, 170-178	9.3	21
45	Synergetic effect of ultrasound and sodium dodecyl sulphate in the formation of CdS nanostructures in aqueous solution. <i>Ultrasonics Sonochemistry</i> , 2007 , 14, 398-404	8.9	19
44	Preparation and characterization of a double filler polymeric nanocomposite. <i>Composites Science and Technology</i> , 2007 , 67, 895-899	8.6	19
43	Lateral Diffusion of Dispersing Molecules on Nanotubes As Probed by NMR. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 582-589	3.8	18
42	Enhancing the immunogenicity of liposomal hepatitis B surface antigen (HBsAg) by controlling its delivery from polymeric microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 1550-7	3.9	18
41	Surface Coverage and Competitive Adsorption on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22190-22197	3.8	17
40	Polymer nanocomposites: Insights on rheology, percolation and molecular mobility. <i>Polymer</i> , 2018 , 153, 52-60	3.9	17
39	WS2 nanotube Reinforced cement: Dispersion matters. <i>Construction and Building Materials</i> , 2015 , 98, 112-118	6.7	16
38	Carbon Allotropes Accelerate Hydrogenation via Spillover Mechanism. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 27164-27169	3.8	16
37	Transferable Thin Films of Mesoporous Silica. <i>Chemistry of Materials</i> , 2003 , 15, 3619-3624	9.6	16
36	Dispersing Carbon Nanotubes in Water with Amphiphiles: Dispersant Adsorption, Kinetics, and Bundle Size Distribution as Defining Factors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24386-24393	3.8	16
35	Block Copolymers as Dispersants for Single-Walled Carbon Nanotubes: Modes of Surface Attachment and Role of Block Polydispersity. <i>Langmuir</i> , 2018 , 34, 13672-13679	4	16
34	Graphene and boron nitride nanoplatelets for improving vapor barrier properties in epoxy nanocomposites. <i>Progress in Organic Coatings</i> , 2019 , 136, 105207	4.8	15
33	Graphite-based shape-stabilized composites for phase change material applications. <i>Renewable Energy</i> , 2021 , 167, 580-590	8.1	15

32	Optimal nanomaterial concentration: harnessing percolation theory to enhance polymer nanocomposite performance. <i>Nanotechnology</i> , 2017 , 28, 305701	3.4	14
31	Nanobrick wall multilayer thin films grown faster and stronger using electrophoretic deposition. <i>Nanotechnology</i> , 2015 , 26, 185703	3.4	14
30	Tuning Mg hydriding kinetics with nanocarbons. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 616-622	5.7	13
29	Cryo-staining techniques in cryo-TEM studies of dispersed nanotubes. <i>Ultramicroscopy</i> , 2010 , 110, 754-60	3.1	13
28	Diameter-selective dispersion of carbon nanotubes by β -lactoglobulin whey protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 16-22	6	12
27	Graphene-graphite hybrid epoxy composites with controllable workability for thermal management. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 95-104	3	10
26	Distinguishing Self-Assembled Pyrene Structures from Exfoliated Graphene. <i>Langmuir</i> , 2016 , 32, 10699-10704	10	10
25	PS/CTAB/silica composites from room temperature polymerization of high internal phase emulsion gels. <i>Journal of Colloid and Interface Science</i> , 2015 , 451, 161-9	9.3	9
24	Low-temperature polymerization of methyl methacrylate emulsion gels through surfactant catalysis. <i>Journal of Colloid and Interface Science</i> , 2016 , 461, 128-135	9.3	9
23	Thermal conductivity improvement of electrically nonconducting composite materials. <i>Reviews in Chemical Engineering</i> , 2012 , 28,	5	9
22	Preparation and characterization of a novel pyrrole-benzophenone copolymerized silica nanocomposite as a reagent in a visual immunologic-agglutination test. <i>Talanta</i> , 2008 , 75, 1324-31	6.2	9
21	Worm-like soft nanostructures in nonionic systems: principles, properties and application as templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 4497-520	1.3	8
20	Catanionic Vesicle-BEG-Lipid System: Langmuir Film and Phase Diagram Study. <i>Langmuir</i> , 2002 , 18, 5681-5686	4	8
19	Enhancing thermal conductivity in graphene-loaded paint: Effects of phase change, rheology and filler size. <i>International Journal of Thermal Sciences</i> , 2020 , 153, 106381	4.1	8
18	Mechanical agitation induces counterintuitive aggregation of pre-dispersed carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2017 , 493, 398-404	9.3	7
17	Solid-state solvent-free catalyzed hydrogenation: Enhancing reaction efficiency by spillover agents. <i>Journal of Molecular Catalysis A</i> , 2013 , 376, 48-52		6
16	Templating nanostructures by mesoporous materials with an emphasis on room temperature and cryogenic TEM studies. <i>Current Opinion in Colloid and Interface Science</i> , 2005 , 10, 280-286	7.6	6
15	Vegetable-Oil-Based Intelligent Ink for Oxygen Sensing. <i>ACS Sensors</i> , 2020 , 5, 3274-3280	9.2	5

14	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> , 2021 , 333, 116002	6	5
13	Short and Soft: Multidomain Organization, Tunable Dynamics, and Jamming in Suspensions of Grafted Colloidal Cylinders with a Small Aspect Ratio. <i>Langmuir</i> , 2019 , 35, 17103-17113	4	5
12	Hierarchical multi-step organization during viral capsid assembly. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 674-7	6	4
11	Molten salt in-situ exfoliation of graphite to graphene nanoplatelets applied for energy storage. <i>Carbon</i> , 2021 , 176, 168-177	10.4	4
10	Textile-cement bond enhancement: Sprinkle some hydrophilic powder. <i>Cement and Concrete Composites</i> , 2021 , 120, 104031	8.6	4
9	Mixed surfactants: Sodium bis(2-ethyl-hexyl)sulphosuccinate- didodecyldimethyl-ammonium bromide- water system 1994 , 146-150		3
8	Mixed dimensionality: Highly robust and multifunctional carbon-based composites. <i>Carbon</i> , 2021 , 176, 339-348	10.4	3
7	Cement Reinforcement by Nanotubes 2015 , 231-237		2
6	Utilizing Old Egyptian Wisdom for Stabilization of Individual Carbon Nanotubes in Aqueous Dispersions. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 706, 1		1
5	Enhancement of fabric/mortar interfacial adhesion by particle decoration: insights from pull-off measurements. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021 , 54, 1	3.4	1
4	Textile-reinforced mortar: Durability in salty environment. <i>Cement and Concrete Composites</i> , 2022 , 1045346	3.4	1
3	Catalyst Surface Dispersion: Insights into Hydrogenation Kinetics and Mechanism. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 8813-8821	3.8	0
2	Trapped and Alone: Clay-Assisted Aqueous Graphene Dispersions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6879-6888	9.5	0
1	Effects of Filler Size and Crystallinity on Thermal Performance and Flammability of Polymer Nanocomposites 2021 , 1-16		