

Eric H Hill

List of Publications by Year in descending order

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37
papers

1,431
citations

430874

18
h-index

345221

36
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docs citations

39
times ranked

2166
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and imaging of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm communities by surface-enhanced resonance Raman scattering. <i>Nature Materials</i> , 2016, 15, 1203-1211.	27.5	290
2	Encapsulation of Single Plasmonic Nanoparticles within ZIF-8 and SERS Analysis of the MOF Flexibility. <i>Small</i> , 2016, 12, 3935-3943.	10.0	142
3	Optothermal Manipulations of Colloidal Particles and Living Cells. <i>Accounts of Chemical Research</i> , 2018, 51, 1465-1474.	15.6	108
4	Solvent-Assisted Self-Assembly of Gold Nanorods into Hierarchically Organized Plasmonic Mesostructures. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11763-11771.	8.0	90
5	Conjugated Polyelectrolytes with Imidazolium Solubilizing Groups. Properties and Application to Photodynamic Inactivation of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28027-28034.	8.0	82
6	Synthesis, Self-Assembly, and Photophysical Properties of Cationic Oligo(<i>p</i> -phenyleneethynylene)s. <i>Langmuir</i> , 2011, 27, 4945-4955.	3.5	67
7	Optical Nanoprinting of Colloidal Particles and Functional Structures. <i>ACS Nano</i> , 2019, 13, 3783-3795.	14.6	64
8	Organic-Inorganic Hybrid Pillarene-Based Nanomaterial for Label-Free Sensing and Catalysis. <i>Matter</i> , 2019, 1, 848-861.	10.0	59
9	Molecular Dynamics Simulation Study of the Interaction of Cationic Biocides with Lipid Bilayers: Aggregation Effects and Bilayer Damage. <i>Langmuir</i> , 2012, 28, 14849-14854.	3.5	46
10	Opto-Thermophoretic Attraction, Trapping, and Dynamic Manipulation of Lipid Vesicles. <i>Langmuir</i> , 2018, 34, 13252-13262.	3.5	43
11	Optically active plasmonic resonance in self-assembled nanostructures. <i>Materials Chemistry Frontiers</i> , 2018, 2, 662-678.	5.9	39
12	Chiral metamaterials <i>via</i> Moiré stacking. <i>Nanoscale</i> , 2018, 10, 18096-18112.	5.6	39
13	Hierarchical organization and molecular diffusion in gold nanorod/silica supercrystal nanocomposites. <i>Nanoscale</i> , 2016, 8, 7914-7922.	5.6	35
14	Aggregation of cationic <i>p</i> -phenylene ethynylenes on Laponite clay in aqueous dispersions and solid films. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 347-356.	9.4	27
15	Optothermophoretic Manipulation of Colloidal Particles in Nonionic Liquids. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24226-24234.	3.1	26
16	Few-Layer In ₂ S ₃ in Laponite Interlayers: A Colloidal Route Toward Heterostructured Nanohybrids with Enhanced Photocatalysis. <i>Chemistry of Materials</i> , 2020, 32, 10015-10024.	6.7	23
17	Structural Basis for Aggregation Mode of oligo- <i>p</i> -Phenylene Ethynylenes with Ionic Surfactants. <i>Langmuir</i> , 2013, 29, 15732-15737.	3.5	22
18	Heterostructured Monolayer MoS ₂ Nanoparticles toward Water-Dispersible Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19813-19822.	8.0	21

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19	Computational Study of Bacterial Membrane Disruption by Cationic Biocides: Structural Basis for Water Pore Formation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9722-9732.	2.6	16
20	Facet Engineering of Bismuth Molybdate via Confined Growth in a Nanoscale Template toward Water Remediation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18713-18723.	8.0	16
21	Photochemistry of ω -Oligo-p-phenylene Ethynylenes: Complexation with Sodium Dodecyl Sulfate Reduces Solvent Accessibility. <i>Langmuir</i> , 2013, 29, 9712-9720.	3.5	15
22	The influence of structured interfacial water on the photoluminescence of carboxyester-terminated oligo-p-phenylene ethynylenes. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 252-257.	1.9	15
23	Metal Nanoparticle Growth within Clay-Polymer Nacre-Inspired Materials for Improved Catalysis and Plasmonic Detection in Complex Biofluids. <i>Langmuir</i> , 2017, 33, 8774-8783.	3.5	15
24	Cationic oligo- p-phenylene ethynylenes form complexes with surfactants for long-term light-activated biocidal applications. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 247-253.	2.9	14
25	Photochemistry of a Model Cationic p-Phenylene Ethynylene in Water. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1363-1368.	4.6	13
26	Enzyme-Specific Sensors via Aggregation of Charged p-Phenylene Ethynylenes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5550-5560.	8.0	13
27	Layered Silicate Clays as Templates for Anisotropic Gold Nanoparticle Growth. <i>Chemistry of Materials</i> , 2016, 28, 5131-5139.	6.7	13
28	Oligomeric Conjugated Polyelectrolytes Display Site-Preferential Binding to an MS2 Viral Capsid. <i>Langmuir</i> , 2016, 32, 12542-12551.	3.5	11
29	Toward plasmonic monitoring of surface effects on bacterial quorum-sensing. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 32, 1-10.	7.4	11
30	Laser-Driven Bubble Printing of Plasmonic Nanoparticle Assemblies onto Nonplasmonic Substrates. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7622-7629.	3.1	11
31	Few-Layer ZnIn ₂ S ₄ /Laponite Heterostructures: Role of Mg ²⁺ Leaching in Zn Defect Formation. <i>Langmuir</i> , 2021, 37, 4727-4735.	3.5	10
32	Activating the Antimicrobial Activity of an Anionic Singlet-Oxygen Sensitizer through Surfactant Complexation. <i>Langmuir</i> , 2014, 30, 5052-5056.	3.5	9
33	Symmetry Breaking in Seed-Mediated Silver Nanorod Growth Induced by Dimethyl Sulfoxide. <i>Chemistry of Materials</i> , 2021, 33, 2948-2956.	6.7	9
34	Templating Unidirectional Bismuth Oxyiodide Crystal Growth with Layered Silicates for Enhanced Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4975-4983.	3.1	9
35	Surface-Encapsulated Bismuth Molybdate-Layered Silicate Hybrids as Sorbents for Photocatalytic Filtration Membranes. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	8.0	5
36	Shape control of silver nanorods by ascorbic acid and dimethyl sulfoxide. , 0, , .		0

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37	Synthesis of Semiconductors Confined in Nanoscopic Colloidal Templates toward Heterostructured Nanomaterials. , 0, , .		0