

# Elizabeth M Y Lee

## List of Publications by Year in descending order

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17  
papers

738  
citations

687363

13  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1496  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain and rupture of HIV-1 capsids during uncoating. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117781119.	7.1	21
2	Neural Network Sampling of the Free Energy Landscape for Nitrogen Dissociation on Ruthenium. Journal of Physical Chemistry Letters, 2021, 12, 2954-2962.	4.6	16
3	Stability and molecular pathways to the formation of spin defects in silicon carbide. Nature Communications, 2021, 12, 6325.	12.8	9
4	Atomic-scale characterization of mature HIV-1 capsid stabilization by inositol hexakisphosphate (IP) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	10.3	30
5	Solving the Trivial Crossing Problem While Preserving the Nodal Symmetry of the Wave Function. Journal of Chemical Theory and Computation, 2019, 15, 4332-4343.	5.3	10
6	Molecular engineered conjugated polymer with high thermal conductivity. Science Advances, 2018, 4, eaar3031.	10.3	165
7	Perspective: Nonequilibrium dynamics of localized and delocalized excitons in colloidal quantum dot solids. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	15
8	Inverse Temperature Dependence of Charge Carrier Hopping in Quantum Dot Solids. ACS Nano, 2018, 12, 7741-7749.	14.6	33
9	Charge Carrier Hopping Dynamics in Homogeneously Broadened PbS Quantum Dot Solids. Nano Letters, 2017, 17, 893-901.	9.1	84
10	Including surface ligand effects in continuum elastic models of nanocrystal vibrations. Journal of Chemical Physics, 2017, 147, 044711.	3.0	22
11	Modulation of Low-Frequency Acoustic Vibrations in Semiconductor Nanocrystals through Choice of Surface Ligand. Journal of Physical Chemistry Letters, 2016, 7, 4213-4216.	4.6	24
12	Temperature dependence of acoustic vibrations of CdSe and CdSe@CdS core-shell nanocrystals measured by low-frequency Raman spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 28797-28801.	2.8	17
13	Interfacial Mineral-Peptide Properties of a Mineral Binding Peptide from Osteonectin and Bone-like Apatite. Chemistry of Materials, 2015, 27, 5562-5569.	6.7	21
14	Can Disorder Enhance Incoherent Exciton Diffusion?. Journal of Physical Chemistry B, 2015, 119, 9501-9509.	2.6	22
15	Determination of Exciton Diffusion Length by Transient Photoluminescence Quenching and Its Application to Quantum Dot Films. Journal of Physical Chemistry C, 2015, 119, 9005-9015.	3.1	84
16	Subdiffusive Exciton Transport in Quantum Dot Solids. Nano Letters, 2014, 14, 3556-3562.	9.1	152
17	Electronic structure calculations in arbitrary electrostatic environments. Journal of Chemical Physics, 2012, 136, 024101.	3.0	13