

# Yoonsoo Pang

## List of Publications by Year in descending order

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52  
papers

1,121  
citations

394421

19  
h-index

395702

33  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational Substructure in the OH Stretching Transition of Water and HOD. <i>Journal of Physical Chemistry A</i> , 2004, 108, 9054-9063.	2.5	166
2	Vibrational Energy Transfer Across a Reverse Micelle Surfactant Layer. <i>Science</i> , 2004, 306, 473-476.	12.6	114
3	Vibrational substructure in the OH stretching band of water. <i>Chemical Physics Letters</i> , 2003, 378, 281-288.	2.6	78
4	Vibrational energy relaxation pathways of water. <i>Chemical Physics Letters</i> , 2003, 380, 404-410.	2.6	73
5	Hydrogen-Bond Disruption by Vibrational Excitations in Water. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3196-3208.	2.5	53
6	Vibrational Relaxation of Normal and Deuterated Liquid Nitromethane. <i>Journal of Physical Chemistry B</i> , 2008, 112, 232-241.	2.6	46
7	Ultrafast Intramolecular Proton Transfer of Alizarin Investigated by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4129-4136.	2.6	42
8	Excited state intramolecular proton transfer of 1,2-dihydroxyanthraquinone by femtosecond transient absorption spectroscopy. <i>Current Applied Physics</i> , 2015, 15, 1492-1499.	2.4	41
9	Surface State-Mediated Charge Transfer of Cs <sub>2</sub> Snl <sub>6</sub> and Its Application in Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1803243.	19.5	37
10	Surface geometry of tryptophan adsorbed on gold colloidal nanoparticles. <i>Journal of Molecular Structure</i> , 2015, 1096, 121-128.	3.6	33
11	Vibrational energy dynamics of water studied with ultrafast Stokes and anti-Stokes Raman spectroscopy. <i>Chemical Physics Letters</i> , 2004, 397, 40-45.	2.6	27
12	The vibrational Stokes shift of water (HOD in D <sub>2</sub> O). <i>Journal of Chemical Physics</i> , 2004, 120, 8345-8348.	3.0	27
13	Vibrational energy in molecules probed with high time and space resolution. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 223-248.	2.3	27
14	Adsorption of 2-mercaptopyridine and 2-mercaptopyrimidine on a silver colloidal surface investigated by Raman spectroscopy. <i>Journal of Molecular Structure</i> , 1998, 441, 63-76.	3.6	26
15	Excited-State Dynamics of 8 <sup>l</sup> -Apo- $\beta$ -caroten-8 <sup>al</sup> and 7 <sup>l</sup> - $\beta$ -Dicyano-7 <sup>apo</sup> - $\beta$ -carotene Studied by Femtosecond Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13086-13095.	2.6	26
16	Metal-Enhanced Fluorescence: Wavelength-Dependent Ultrafast Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23285-23291.	3.1	26
17	Precisely tuneable energy transfer system using peptoid helix-based molecular scaffold. <i>Scientific Reports</i> , 2017, 7, 4786.	3.3	22
18	Unusual Relaxation Pathway from the Two-Photon Excited First Singlet State of Carotenoids. <i>Journal of the American Chemical Society</i> , 2010, 132, 2264-2273.	13.7	21

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19	Homogeneous silver colloidal substrates optimal for metal-enhanced fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11599-11607.	2.8	20
20	Reply to: Comment on "Vibrational relaxation and spectral diffusion following ultrafast OH stretch excitation of water", by H.J. Bakker, A.J. Lock, D. Madsen. <i>Chemical Physics Letters</i> , 2004, 385, 332-335.	2.6	18
21	Ultrafast intramolecular proton transfer reactions and solvation dynamics of DMSO. <i>Structural Dynamics</i> , 2019, 6, 064901.	2.3	18
22	Branching relaxation pathways from the hot S2 state of 8 $\beta$ -apo-12'-caroten-8-al. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6782.	2.8	17
23	Metal-enhanced fluorescence and excited state dynamics of carotenoids in thin polymer films. <i>Scientific Reports</i> , 2019, 9, 3551.	3.3	16
24	Surface-enhanced Raman scattering of coumarin 343 on silver colloidal nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 166, 121-128.	3.9	14
25	Multifaceted adsorption of $\beta$ -cyano-4-hydroxycinnamic acid on silver colloidal and island surfaces. <i>Applied Surface Science</i> , 2017, 425, 63-68.	6.1	14
26	Twisted Intramolecular Charge Transfer State of a "Push-Pull" Emitter. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7999.	4.1	12
27	Investigation of the growth and in situ heating transmission electron microscopy analysis of Ag2S-catalyzed ZnS nanowires. <i>Applied Surface Science</i> , 2018, 436, 556-561.	6.1	11
28	Twisted intramolecular charge transfer of nitroaromatic push-pull chromophores. <i>Scientific Reports</i> , 2022, 12, 6557.	3.3	11
29	Excited-state dynamics of 4-dimethylamino-4'-nitrobiphenyl confined in AOT reverse micelles. <i>Journal of Molecular Liquids</i> , 2020, 305, 112873.	4.9	10
30	Adsorption of dipeptide L-alanyl-L-tryptophan on gold colloidal nanoparticles studied by surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119064.	3.9	10
31	Excited-State Dynamics of Carotenoids Studied by Femtosecond Transient Absorption Spectroscopy. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 851-857.	1.9	10
32	Photophysical properties of 1,2-dihydroxyanthraquinone in AOT reverse micelles. <i>Journal of Molecular Liquids</i> , 2019, 279, 503-509.	4.9	9
33	Metal-Enhanced Fluorescence: Ultrafast Energy Transfer from Dyes in a Polymer Film to Metal Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1629-1632.	0.9	7
34	Surface adsorption of hydroxyanthraquinones on CTAB-modified gold nanosurfaces. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119408.	3.9	7
35	Long-Lived Interfacial Vibrations of Water. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20115-20117.	2.6	5
36	Intramolecular charge transfer of coumarin dyes confined in methanol-in-oil reverse micelles. <i>Journal of Molecular Liquids</i> , 2022, 346, 118313.	4.9	5

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37	Metal-enhanced fluorescence of dyes with quadrupole surface plasmon resonance of silver nanoparticles. <i>Nanoscale Advances</i> , 2022, 4, 2794-2805.	4.6	5
38	Intramolecular Charge Transfer of 1-Aminoanthraquinone and Ultrafast Solvation Dynamics of Dimethylsulfoxide. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11926.	4.1	4
39	Intramolecular charge transfer of a push-pull chromophore with restricted internal rotation of an electron donor. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5794-5802.	2.8	4
40	Excited-State Dynamics of All-trans-Retinal Investigated by Time-Resolved Electronic and Vibrational Spectroscopy. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 900-905.	1.9	3
41	Intramolecular Charge Transfer of Curcumin and Solvation Dynamics of DMSO Probed by Time-Resolved Raman Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1727.	4.1	3
42	Composite silver nanosurfaces of dipole and quadrupole surface plasmon resonances for fluorescence enhancements. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 35-39.	1.9	2
43	Intramolecular Charge Transfer Probed by Femtosecond Stimulated Raman Spectroscopy. , 2018, , .		1
44	Metal-Enhanced Fluorescence and Ultrafast Energy Transfer of Dyes near Silver Nanosurfaces. <i>ACS Symposium Series</i> , 2016, , 209-225.	0.5	0
45	Ultrafast Electron Injection from the S <sub>2</sub> State of Carotenoids into TiO <sub>2</sub> Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2685-2689.	0.9	0
46	Ultrafast Intramolecular Proton Transfer Reaction of 1,2-Dihydroxyanthraquinone in the Excited State. , 2018, , .		0
47	Vibrational energy transfer in reverse micelle molecular nanostructures. , 2005, , .		0
48	Relaxation Dynamics of $\beta$ -apo-1'-carotenal: Excitation Energy Dependence. , 2010, , .		0
49	Structural Changes of Nitroaromatic Molecules During the Intramolecular Charge Transfer. , 2020, , .		0
50	Fluorescence Enhancement by the Dipole and Quadrupole Surface Plasmons of Silver Nanoparticles. , 2020, , .		0
51	Ultrafast solvation dynamics of dimethyl sulfoxide induced by excited-state intramolecular proton transfers. , 2020, , .		0
52	Intramolecular charge transfer state of push-pull dyes probed by femtosecond stimulated Raman spectroscopy. , 2020, , .		0