

# K Kalyanasundaram

## List of Publications by Year in descending order

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23  
papers

7,918  
citations

471509

17  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

8271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental effects on vibronic band intensities in pyrene monomer fluorescence and their application in studies of micellar systems. <i>Journal of the American Chemical Society</i> , 1977, 99, 2039-2044.	13.7	3,322
2	Photophysics, photochemistry and solar energy conversion with tris(bipyridyl)ruthenium(II) and its analogues. <i>Coordination Chemistry Reviews</i> , 1982, 46, 159-244.	18.8	1,803
3	Applications of functionalized transition metal complexes in photonic and optoelectronic devices. <i>Coordination Chemistry Reviews</i> , 1998, 177, 347-414.	18.8	1,359
4	Artificial photosynthesis: biomimetic approaches to solar energy conversion and storage. <i>Current Opinion in Biotechnology</i> , 2010, 21, 298-310.	6.6	252
5	Sensitization of titanium dioxide in the visible light region using zinc porphyrins. <i>The Journal of Physical Chemistry</i> , 1987, 91, 2342-2347.	2.9	239
6	Molecular Engineering of Photosensitizers for Nanocrystalline Solar Cells: Synthesis and Characterization of Ru Dyes Based on Phosphonated Terpyridines. <i>Inorganic Chemistry</i> , 1997, 36, 5937-5946.	4.0	228
7	Photochemistry of water-soluble porphyrins: comparative study of isomeric tetrapyrrolyl- and tetrakis(N-methylpyridiniumyl)porphyrins. <i>Inorganic Chemistry</i> , 1984, 23, 2453-2459.	4.0	209
8	Photophysics of molecules in micelle-forming surfactant solutions. <i>Chemical Society Reviews</i> , 1978, 7, 453.	38.1	150
9	Tuning of the CT excited state and validity of the energy gap law in mixed ligand complexes of Ru(II) containing 4,4'-dicarboxy-2,2'-bipyridine. <i>Chemical Physics Letters</i> , 1992, 193, 292-297.	2.6	63
10	Photoelectrochemical cell studies with semiconductor electrodes – A classified bibliography (1975-1983). <i>Solar Cells</i> , 1985, 15, 93-156.	0.6	45
11	Synthesis and photophysical characterization of highly luminescent complexes of Ru(II) containing 4,4'-di-(p-carboxyphenyl)-2,2'-bipyridine. <i>Inorganica Chimica Acta</i> , 1992, 198-200, 831-839.	2.4	45
12	PHOTOCHEMICAL CONVERSION AND STORAGE OF SOLAR ENERGY. <i>Photochemistry and Photobiology</i> , 1984, 40, 807-822.	2.5	29
13	Transient absorptions due to mixed valence species in the excited state absorption spectra of cyano-bridged trinuclear polypyridyl complexes of ruthenium(II). <i>The Journal of Physical Chemistry</i> , 1992, 96, 10587-10590.	2.9	28
14	Photoelectrochemical cells for the production of hydrogen and hydrogen peroxide via photoredox reactions. <i>The Journal of Physical Chemistry</i> , 1982, 86, 2681-2690.	2.9	26
15	Sensitization and photoredox reactions of zinc(II) and antimony(V) uroporphyrins in aqueous media. <i>Inorganic Chemistry</i> , 1988, 27, 2820-2825.	4.0	25
16	Photoredox reaction in micellar solutions sensitized by surfactant derivative of tris(2,2'-bipyridyl)ruthenium(II). <i>Journal of the Chemical Society Chemical Communications</i> , 1978, , 628-630.	2.0	21
17	Mechanism of photoreduction of water-soluble palladium and zinc porphyrins. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988, 42, 87-109.	3.9	20
18	Semiconductor Particulate Systems for Photocatalysis and Photosynthesis: An Overview. , 1983, , 217-260.		13

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19	Photoelectrochemical Cells for the Oxidation of Water and Bromide Ions by Visible Light. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1981, 85, 704-709.	0.9	11
20	Protonation behavior in the ground and excited states of some Os(II) Polypyridyl complexes. Inorganica Chimica Acta, 1990, 171, 213-216.	2.4	8
21	Photoredox and Sensitization Processes Involving Transition Metal Polypyridine Complexes. Catalysis By Metal Complexes, 1993, , 113-160.	0.6	6
22	Micellar Photophysicsâ€™Singlet-State Reactions. , 1987, , 36-91.		6
23	Timeresolved studies of photoprocesses involving transition metal polypyridyl complexes. Journal of Chemical Sciences, 1992, 104, 701-712.	1.5	2