

# Dongho Kim

## List of Publications by Citations

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441  
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19,122  
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475  
ext. papers

21,591  
ext. citations

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L-index

#	Paper	IF	Citations
441	Self-formed grain boundary healing layer for highly efficient CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	757
440	Discrete cyclic porphyrin arrays as artificial light-harvesting antenna. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1922-34	24.3	466
439	Highly efficient and stable InP/ZnSe/ZnS quantum dot light-emitting diodes. <i>Nature</i> , <b>2019</b> , 575, 634-638	50.4	445
438	Photovoltaic cells using composite nanoclusters of porphyrins and fullerenes with gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1216-28	16.4	429
437	Directly linked porphyrin arrays with tunable excitonic interactions. <i>Accounts of Chemical Research</i> , <b>2004</b> , 37, 735-45	24.3	373
436	Potassium Incorporation for Enhanced Performance and Stability of Fully Inorganic Cesium Lead Halide Perovskite Solar Cells. <i>Nano Letters</i> , <b>2017</b> , 17, 2028-2033	11.5	371
435	Metalation of expanded porphyrins: a chemical trigger used to produce molecular twisting and M $\bar{B}$ ius aromaticity. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 681-4	16.4	267
434	Aromaticity and photophysical properties of various topology-controlled expanded porphyrins. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 2751-67	58.5	226
433	M $\bar{B}$ ius aromaticity and antiaromaticity in expanded porphyrins. <i>Nature Chemistry</i> , <b>2009</b> , 1, 113-22	17.6	224
432	Unambiguous identification of M $\bar{B}$ ius aromaticity for meso-aryl-substituted [28]hexaphyrins(1.1.1.1.1.1). <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 13568-79	16.4	214
431	Kinetically blocked stable heptazethrene and octazethrene: closed-shell or open-shell in the ground state?. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14913-22	16.4	213
430	Photophysical properties of long rodlike meso-meso-linked zinc(II) porphyrins investigated by time-resolved laser spectroscopic methods. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 76-86	16.4	208
429	A directly fused tetrameric porphyrin sheet and its anomalous electronic properties that arise from the planar cyclooctatetraene core. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 4119-27	16.4	205
428	Relationship between two-photon absorption and the pi-conjugation pathway in porphyrin arrays through dihedral angle control. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1700-4	16.4	193
427	Photophysical properties of porphyrin tapes. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 14642-14644	16.4	192
426	Porphyrin boxes constructed by homochiral self-sorting assembly: optical separation, exciton coupling, and efficient excitation energy migration. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 16187-98	16.4	178
425	Stable tetrabenzo-Chichibabin's hydrocarbons: tunable ground state and unusual transition between their closed-shell and open-shell resonance forms. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14513-25	16.4	176

4 <sup>24</sup>	Photophysical Properties of Directly Linked Linear Porphyrin Arrays. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 8791-8816	2.8	175
4 <sup>23</sup>	Enhancement of light-energy conversion efficiency by multi-porphyrin arrays of porphyrin-peptide oligomers with fullerene clusters. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 19-23	3.4	168
4 <sup>22</sup>	Excitation energy transfer in multiporphyrin arrays with cyclic architectures: towards artificial light-harvesting antenna complexes. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4808-26	58.5	163
4 <sup>21</sup>	Nonlinear optical properties and excited-state dynamics of highly symmetric expanded porphyrins. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14128-34	16.4	152
4 <sup>20</sup>	Pushing extended p-quinodimethanes to the limit: stable tetracyano-oligo(N-annulated perylene)quinodimethanes with tunable ground states. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6363-71	16.4	150
4 <sup>19</sup>	Organic solar cells. Supramolecular composites of porphyrins and fullerenes organized by polypeptide structures as light harvesters. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4160		150
4 <sup>18</sup>	Dibenzoheptazethrene isomers with different biradical characters: an exercise of Clar's aromatic sextet rule in singlet biradicaloids. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18229-36	16.4	147
4 <sup>17</sup>	Directly meso-meso linked porphyrin rings: synthesis, characterization, and efficient excitation energy hopping. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 236-46	16.4	146
4 <sup>16</sup>	Excitation energy transport processes of porphyrin monomer, dimer, cyclic trimer, and hexamer probed by ultrafast fluorescence anisotropy decay. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 5849-60	16.4	145
4 <sup>15</sup>	Unveiling the Crystal Formation of Cesium Lead Mixed-Halide Perovskites for Efficient and Stable Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2936-2940	6.4	144
4 <sup>14</sup>	Exciton delocalization and dynamics in helical stacks of self-assembled perylene bisimides. <i>Chemical Science</i> , <b>2013</b> , 4, 388-397	9.4	138
4 <sup>13</sup>	Protonation-triggered conformational changes to Möbius aromatic [32]heptaphyrins(1.1.1.1.1.1). <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9657-60	16.4	136
4 <sup>12</sup>	In-Situ Formed Type I Nanocrystalline Perovskite Film for Highly Efficient Light-Emitting Diode. <i>ACS Nano</i> , <b>2017</b> , 11, 3311-3319	16.7	134
4 <sup>11</sup>	Reversal of Hückel (anti)aromaticity in the lowest triplet states of hexaphyrins and spectroscopic evidence for Baird's rule. <i>Nature Chemistry</i> , <b>2015</b> , 7, 418-22	17.6	134
4 <sup>10</sup>	Mesomorphic Organization and Thermochromic Luminescence of Dicyanodistyrylbenzene-Based Phasmodic Molecular Disks: Uniaxially Aligned Hexagonal Columnar Liquid Crystals at Room Temperature with Enhanced Fluorescence Emission and Semiconductivity. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 61-69	15.6	134
4 <sup>09</sup>	Comparative photophysics of [26]- and [28]hexaphyrins(1.1.1.1.1.1): large two-photon absorption cross section of aromatic [26]hexaphyrins(1.1.1.1.1.1). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12856-61	16.4	132
4 <sup>08</sup>	All-Inorganic CsPbI <sub>3</sub> Perovskite Phase-Stabilized by Poly(ethylene oxide) for Red-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706401	15.6	127
4 <sup>07</sup>	Möbius aromaticity in N-fused [24]pentaphyrin upon Rh(I) metalation. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1824-5	16.4	126

- 406 Donor-Substituted  $\pi$ -Functionalized Porphyrin Dyes on Hierarchically Structured Mesoporous TiO<sub>2</sub> Spheres. Highly Efficient Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2011**, 115, 19343-19354 3.8 123
- 405 Peripheral fabrications of a bis-gold(III) complex of [26]hexaphyrin(1.1.1.1.1) and aromatic versus antiaromatic effect on two-photon absorption cross section. *Journal of the American Chemical Society*, **2007**, 129, 11344-5 16.4 123
- 404 Direct observation of ultrafast coherent exciton dynamics in helical  $\pi$ -stacks of self-assembled perylene bisimides. *Nature Communications*, **2015**, 6, 8646 17.4 122
- 403 A dodecameric porphyrin wheel. *Journal of the American Chemical Society*, **2004**, 126, 4468-9 16.4 122
- 402 Spectroscopic Demonstration of Exciton Dynamics and Excimer Formation in a Sterically Controlled Perylene Bisimide Dimer Aggregate. *Journal of Physical Chemistry Letters*, **2014**, 5, 3601-7 6.4 117
- 401 Ion-controlled on-off switch of electron transfer from tetrathiafulvalene calix[4]pyrroles to Li<sup>+</sup>@C<sub>60</sub>. *Journal of the American Chemical Society*, **2011**, 133, 15938-41 16.4 116
- 400  $\pi$ -Conjugation enlargement toward the creation of multi-porphyrinic systems with large two-photon absorption properties. *Chemistry - an Asian Journal*, **2009**, 4, 1172-82 4.5 114
- 399 Bright and Uniform Green Light Emitting InP/ZnSe/ZnS Quantum Dots for Wide Color Gamut Displays. *ACS Applied Nano Materials*, **2019**, 2, 1496-1504 5.6 109
- 398 Composition-Dependent Hot Carrier Relaxation Dynamics in Cesium Lead Halide (CsPbX<sub>3</sub>, X=Br and I) Perovskite Nanocrystals. *Angewandte Chemie - International Edition*, **2017**, 56, 4160-4164 16.4 108
- 397 Control and Switching of Aromaticity in Various All-Aza-Expanded Porphyrins: Spectroscopic and Theoretical Analyses. *Chemical Reviews*, **2017**, 117, 2257-2312 68.1 107
- 396 Defining Spectroscopic Features of Heteroannulenic Antiaromatic Porphyrinoids. *Journal of Physical Chemistry Letters*, **2010**, 1, 895-900 6.4 105
- 395 Möbius antiaromatic bisphosphorus complexes of [30]hexaphyrins. *Angewandte Chemie - International Edition*, **2010**, 49, 4950-4 16.4 105
- 394 High fidelity self-sorting assembling of meso-cinchomeronimide appended meso-meso linked Zn(II) diporphyrins. *Journal of the American Chemical Society*, **2006**, 128, 7670-8 16.4 105
- 393 Efficient excitation energy transfer in long meso-meso linked Zn(II) porphyrin arrays bearing a 5,15-bisphenylethynylated Zn(II) porphyrin acceptor. *Journal of the American Chemical Society*, **2003**, 125, 9668-81 16.4 103
- 392 Synthesis and Excited-State Photodynamics of a Molecular Square Containing Four Mutually Coplanar Porphyrins. *Journal of Organic Chemistry*, **1998**, 63, 5042-5049 4.2 101
- 391 Direct Spectroscopic Observation of Interligand Energy Transfer in Cyclometalated Heteroleptic Iridium(III) Complexes: A Strategy for Phosphorescence Color Tuning and White Light Generation. *Journal of Physical Chemistry C*, **2007**, 111, 4052-4060 3.8 100
- 390 Protonated [4n] $\pi$  and [4n+2] $\pi$  octaphyrins choose their Möbius/Hückel aromatic topology. *Journal of the American Chemical Society*, **2010**, 132, 3105-14 16.4 99
- 389 Protonation-coupled redox reactions in planar antiaromatic meso-pentafluorophenyl-substituted o-phenylene-bridged annulated rosarins. *Nature Chemistry*, **2013**, 5, 15-20 17.6 95

388	Direct Observation of Excimer-Mediated Intramolecular Electron Transfer in a Cofacially-Stacked Perylene Bisimide Pair. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9029-32	16.4	94
387	Aromatic versus antiaromatic effect on photophysical properties of conformationally locked trans-vinylene-bridged hexaphyrins. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7360-7	16.4	92
386	Neutral radical and singlet biradical forms of meso-free, -keto, and -diketo hexaphyrins(1.1.1.1.1.1): effects on aromaticity and photophysical properties. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15533-44	16.4	91
385	A stable radical species from facile oxygenation of meso-free 5,10,20,25-tetrakis(pentafluorophenyl)-substituted [26]hexaphyrin(1.1.1.1.1.1). <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9661-5	16.4	91
384	Tetracyanoquaterrylene and tetracyanohexarylenequinodimethanes with tunable ground states and strong near-infrared absorption. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8561-5	16.4	88
383	Synthesis of doubly beta-to-beta 1,3-butadiyne-bridged diporphyrins: enforced planar structures and large two-photon absorption cross sections. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5125-8	16.4	88
382	Cyclic 2,12-porphyrinylene nanorings as a porphyrin analogue of cycloparaphenylenes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2219-22	16.4	87
381	Facile formation of a benzopyrane-fused [28]hexaphyrin that exhibits distinct Möbius aromaticity. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7240-1	16.4	86
380	Photophysics of meso-beta doubly linked Ni(II) porphyrin arrays: large two-photon absorption cross-section and fast energy relaxation dynamics. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10080-1	16.4	84
379	Various strategies for highly-efficient two-photon absorption in porphyrin arrays. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2008</b> , 9, 13-28	16.4	83
378	The photophysical properties of expanded porphyrins: relationships between aromaticity, molecular geometry and non-linear optical properties. <i>Chemical Communications</i> , <b>2009</b> , 261-73	5.8	81
377	Giant porphyrin wheels with large electronic coupling as models of light-harvesting photosynthetic antenna. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 1319-27	4.8	81
376	Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity. <i>CheM</i> , <b>2018</b> , 4, 1586-1595	16.2	79
375	A Diradical Approach towards BODIPY-Based Dyes with Intense Near-Infrared Absorption around 1100 nm. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2815-9	16.4	79
374	A stable non-Kekulé singlet biradicaloid from meso-free 5,10,20,25-tetrakis(pentafluorophenyl)-substituted [26]hexaphyrin(1.1.1.1.1.1). <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7246-7	16.4	78
373	Temperature-dependent conformational change of meso-hexakis(pentafluorophenyl) [28]Hexaphyrins(1.1.1.1.1.1) into Möbius structures. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 4498-506	2.8	78
372	Two-dimensionally extended porphyrin tapes: synthesis and shape-dependent two-photon absorption properties. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8279-89	4.8	77
371	Protonation-Triggered Conformational Changes to Möbius Aromatic [32]Heptaphyrins(1.1.1.1.1.1.1). <i>Angewandte Chemie</i> , <b>2008</b> , 120, 9803-9806	3.6	77

- 370 Push-Pull Type Oligo(N-annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. *Journal of the American Chemical Society*, **2015**, 137, 8572-83 16.4 76
- 369 Toward Tetraradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. *Journal of the American Chemical Society*, **2016**, 138, 1065-77 16.4 76
- 368 Stacked antiaromatic porphyrins. *Nature Communications*, **2016**, 7, 13620 17.4 76
- 367 Ultrafast Exciton Delocalization, Localization, and Excimer Formation Dynamics in a Highly Defined Perylene Bisimide Quadruple  $\pi$ Stack. *Journal of the American Chemical Society*, **2018**, 140, 4253-4258 16.4 75
- 366 Excitation-energy migration in self-assembled cyclic zinc(II)-porphyrin arrays: a close mimicry of a natural light-harvesting system. *Chemistry - A European Journal*, **2005**, 11, 3753-61 4.8 75
- 365 Unusual interchromophoric interactions in beta,beta' directly and doubly linked corrole dimers: prohibited electronic communication and abnormal singlet ground states. *Journal of the American Chemical Society*, **2009**, 131, 6412-20 16.4 74
- 364 Synthesis of carbazole-containing porphyrinoids by a multiple annulation strategy: a core-modified and  $\pi$ expanded porphyrin. *Angewandte Chemie - International Edition*, **2011**, 50, 5691-4 16.4 72
- 363 Nonlinear optical properties as a guide to aromaticity in congeneric pentapyrrolic expanded porphyrins: pentaphyrin, sapphyrin, isosmaragdyrin, and orangarin. *Journal of the American Chemical Society*, **2008**, 130, 6930-1 16.4 72
- 362 Efficient Ruddlesden-Popper Perovskite Light-Emitting Diodes with Randomly Oriented Nanocrystals. *Advanced Functional Materials*, **2019**, 29, 1901225 15.6 70
- 361 Synthesis of a Tetrabenzotetraaza[8]circulene by a "Fold-In" Oxidative Fusion Reaction. *Angewandte Chemie - International Edition*, **2015**, 54, 10639-42 16.4 68
- 360 Inverted sapphyrin: a new family of doubly N-confused expanded porphyrins. *Journal of the American Chemical Society*, **2006**, 128, 12640-1 16.4 68
- 359 A new entry to doubly N-confused [26]hexaphyrins(1.1.1.1.1) from normal [26]hexaphyrins(1.1.1.1.1) through an unprecedented double pyrrolic rearrangement. *Chemistry - A European Journal*, **2006**, 12, 1754-9 4.8 67
- 358 Azabuckybowl-Based Molecular Tweezers as C and C Receptors. *Journal of the American Chemical Society*, **2018**, 140, 6336-6342 16.4 66
- 357 Ion-regulated allosteric binding of fullerenes (C60 and C70) by tetrathiafulvalene-calix[4]pyrroles. *Journal of the American Chemical Society*, **2014**, 136, 10410-7 16.4 63
- 356 Energetics of Baird aromaticity supported by inversion of photoexcited chiral [4n]annulene derivatives. *Nature Communications*, **2017**, 8, 346 17.4 63
- 355 Synthesis and properties of hybrid porphyrin tapes. *Chemistry - A European Journal*, **2011**, 17, 14400-12 4.8 61
- 354 Triarylporphyrin meso-Oxy Radicals: Remarkable Chemical Stabilities and Oxidation to Oxophlorin  $\pi$ Cations. *Journal of the American Chemical Society*, **2015**, 137, 15584-94 16.4 61
- 353 3D global aromaticity in a fully conjugated diradicaloid cage at different oxidation states. *Nature Chemistry*, **2020**, 12, 242-248 17.6 59



352	Spectroscopic Diagnosis of Excited-State Aromaticity: Capturing Electronic Structures and Conformations upon Aromaticity Reversal. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1349-1358	24.3	58
351	Perylene Bisimide Radicals and Biradicals: Synthesis and Molecular Properties. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13980-4	16.4	58
350	Cyclo[m]pyridine[n]pyrroles: hybrid macrocycles that display expanded $\pi$ -conjugation upon protonation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4076-9	16.4	58
349	Octulene: A Hyperbolic Molecular Belt that Binds Chloride Anions. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14072-14076	16.4	58
348	Oriented Grains with Preferred Low-Angle Grain Boundaries in Halide Perovskite Films by Pressure-Induced Crystallization. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702369	21.8	56
347	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. <i>Chemical Science</i> , <b>2014</b> , 5, 4490-4503	9.4	53
346	Bis-rhodium hexaphyrins: metalation of [28]hexaphyrin and a smooth Hückel aromatic-antiaromatic interconversion. <i>Chemical Communications</i> , <b>2009</b> , 3762-4	5.8	53
345	Highly efficient plastic crystal ionic conductors for solid-state dye-sensitized solar cells. <i>Scientific Reports</i> , <b>2013</b> , 3, 3520	4.9	52
344	meso-meso linked porphyrin-[26]hexaphyrin-porphyrin hybrid arrays and their triply linked tapes exhibiting strong absorption bands in the NIR region. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2097-106	16.4	52
343	Porphyrinhexaphyrin hybrid tapes. <i>Chemical Science</i> , <b>2011</b> , 2, 1414	9.4	52
342	Efficient Multiexciton State Generation in Charge-Transfer-Coupled Perylene Bisimide Dimers via Structural Control. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7845-7857	16.4	51
341	Highly planar diarylamine-fused porphyrins and their remarkably stable radical cations. <i>Chemical Science</i> , <b>2017</b> , 8, 189-199	9.4	51
340	meso-Hydroxysubporphyrins: A Cyclic Trimeric Assembly and a Stable meso-Oxy Radical. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6613-7	16.4	51
339	Bicyclic Baird-type aromaticity. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1243-1248	17.6	50
338	Thermal fusion reactions of meso-(3-thienyl) groups in [26]hexaphyrins to produce Möbius aromatic molecules. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 6687-90	16.4	50
337	A stable organic radical delocalized on a highly twisted $\pi$ system formed upon palladium metalation of a Möbius aromatic hexaphyrin. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1489-91	16.4	50
336	Pd(II) complexes of [44]- and [46]decaphyrins: the largest Hückel aromatic and antiaromatic, and Möbius aromatic macrocycles. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13169-73	16.4	49
335	Transient absorption anisotropy study of ultrafast energy transfer in porphyrin monomer, its direct meso-meso coupled dimer and trimer. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 6750-6758	3.9	49

- 334 Modulation of Symmetry-Breaking Intramolecular Charge-Transfer Dynamics Assisted by Pendant Side Chains in  $\pi$ -Linkers in Quadrupolar Diketopyrrolopyrrole Derivatives. *Journal of Physical Chemistry Letters*, **2016**, 7, 3060-6 6.4 48
- 333 Porphyrins fused with strongly electron-donating 1,3-dithiol-2-ylidene moieties: redox control by metal cation complexation and anion binding. *Journal of the American Chemical Society*, **2013**, 135, 10852-62 16.4 48
- 332 Switching between Aromatic and Antiaromatic 1,3-Phenylene-Strapped [26]- and [28]Hexaphyrins upon Passage to the Singlet Excited State. *Journal of the American Chemical Society*, **2015**, 137, 11856-9 16.4 47
- 331 Excitation energy migration processes in cyclic porphyrin arrays probed by single molecule spectroscopy. *Journal of the American Chemical Society*, **2008**, 130, 1879-84 16.4 47
- 330 Spontaneous Formation of an Air-Stable Radical upon the Direct Fusion of Diphenylmethane to a Triarylporphyrin. *Angewandte Chemie - International Edition*, **2016**, 55, 8711-4 16.4 47
- 329 Halide Perovskite Nanopillar Photodetector. *ACS Nano*, **2018**, 12, 8564-8571 16.7 46
- 328 Characterization of Ultrafast Intramolecular Charge Transfer Dynamics in Pyrenyl Derivatives: Systematic Change of the Number of Peripheral N,N-Dimethylaniline Substituents. *Journal of Physical Chemistry Letters*, **2011**, 2, 818-823 6.4 46
- 327 Guest-induced photophysical property switching of artificial light-harvesting dendrimers. *Angewandte Chemie - International Edition*, **2014**, 53, 6925-8 16.4 45
- 326 Flattened Calixarene-like Cyclic BODIPY Array: A New Photosynthetic Antenna Model. *Journal of the American Chemical Society*, **2017**, 139, 13950-13956 16.4 45
- 325 Stable Radical from a Contracted Doubly N-Confused Hexaphyrin by Double Palladium Metalation. *Angewandte Chemie - International Edition*, **2015**, 54, 7323-7 16.4 45
- 324 Relationship between Dynamic Planarization Processes and Exciton Delocalization in Cyclic Oligothiophenes. *Journal of Physical Chemistry Letters*, **2015**, 6, 451-6 6.4 45
- 323 Excitation energy migration in covalently linked perylene bisimide macrocycles. *Chemical Science*, **2012**, 3, 2778 9.4 45
- 322 Versatile photophysical properties of meso-aryl-substituted subporphyrins: dipolar and octupolar charge-transfer interactions. *Chemistry - A European Journal*, **2009**, 15, 12005-17 4.8 45
- 321 Phenalenyl-fused porphyrins with different ground states. *Chemical Science*, **2015**, 6, 2427-2433 9.4 44
- 320 Fluorenyl Based Macrocyclic Polyradicaloids. *Journal of the American Chemical Society*, **2017**, 139, 13173-13183 16.4 44
- 319 Solvent-dependent aromatic versus antiaromatic conformational switching in meso-(heptakis) pentafluorophenyl [32]heptaphyrin. *Chemistry - A European Journal*, **2011**, 17, 6707-15 4.8 44
- 318 Porphyrin Arch-Tapes: Synthesis, Contorted Structures, and Full Conjugation. *Journal of the American Chemical Society*, **2017**, 139, 9075-9088 16.4 43
- 317 Dark to light! A new strategy for large Stokes shift dyes: coupling of a dark donor with tunable high quantum yield acceptors. *Chemical Science*, **2014**, 5, 4812-4818 9.4 43



316	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , <b>2014</b> , 5, 3072-3080	9.4	43
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61	Near-Infrared S Fluorescence from Deprotonated M $\pi$ bius Aromatic [32]Heptaphyrin. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4527-4531	6.4	4
60	Conformational Heterogeneity in Large Macrocyclic Thiophenes. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 4136-4141	6.4	4
59	Surfactant-aided surface enhanced Raman scattering of Ni(II) tetrasulphonate phthalocyanine in silver sol. <i>Journal of Raman Spectroscopy</i> , <b>1991</b> , 22, 597-600	2.3	4
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55	Effectual Interface and Defect Engineering for Auger Recombination Suppression in Bright InP/ZnSeS/ZnS Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	4
54	Tuning Hot Carrier Dynamics of InP/ZnSe/ZnS Quantum Dots by Shell Morphology Control. <i>Small</i> , <b>2021</b> , e2105492	11	4
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33	Dual Emission of a Free-Base 5-Oxaporphyrinium Cation from its cis- and trans-NH Tautomers. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2951-2955	3.6	2
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