

# Deqing Gao

## List of Publications by Year in descending order

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24  
papers

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citations

933447

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642732

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docs citations

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times ranked

1275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance and Advancement of Modification Engineering in Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	8
2	Study of the pyridyl-containing charge-trapping functional materials in the organic field effect transistor memory devices. <i>Dyes and Pigments</i> , 2021, 188, 109159.	3.7	1
3	Increasing Stability of SnO <sub>2</sub> -Based Perovskite Solar Cells by Introducing an Anionic Conjugated Polyelectrolyte for Interfacial Adjustment. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24575-24581.	8.0	12
4	A series of porphyrins as interfacial materials for inverted perovskite solar cells. <i>Organic Electronics</i> , 2020, 77, 105522.	2.6	18
5	A Dopant-Free Zwitterionic Conjugated Polyelectrolyte as a Hole-Transporting and Interfacial Material for Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000206.	5.8	14
6	Thieno[3,2-b]indole (TI) bridged A-D-A small molecules: Synthesis, characterizations and organic solar cell applications. <i>Dyes and Pigments</i> , 2019, 160, 16-24.	3.7	16
7	Synthesis of Fluoro and Cyanoaryl-Containing Pyrene Derivatives and their Optical and Electrochemical Properties. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 722-730.	2.7	7
8	Influence of the intramolecular donor-acceptor distance on the performance of double-cable polymers. <i>European Polymer Journal</i> , 2019, 112, 38-44.	5.4	2
9	Synthesis, characterization and electroluminescence of two highly-twisted non-doped blue light-emitting materials. <i>Optical Materials</i> , 2018, 78, 94-101.	3.6	9
10	A Double-Cable Poly(fluorene- <i>alt</i> -thiophene) with Bay-Substituted Perylenediimide Pendants: An Efficient Interfacial Material in Bulk-Heterojunction Solar Cells. <i>Macromolecules</i> , 2018, 51, 80-90.	4.8	15
11	1,8-Substituted Pyrene Derivatives for High-Performance Organic Field-Effect Transistors. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3920-3927.	3.3	10
12	Two Anthracene-Based Copolymers as the Hole-Transporting Materials for High-Performance Inverted (p-i-n) Perovskite Solar Cells. <i>Macromolecules</i> , 2018, 51, 7407-7416.	4.8	10
13	Charge-Storage Aromatic Amino Compounds for Nonvolatile Organic Transistor Memory Devices. <i>Small</i> , 2018, 14, e1800756.	10.0	36
14	(Dicyclopentadiene) platinum(II) dichloride: An efficient catalyst for the hydrosilylation reaction between alkenes and triethoxysilane. <i>Tetrahedron Letters</i> , 2017, 58, 1576-1578.	1.4	10
15	Study of Karstedt's Catalyst for Hydrosilylation of a Wide Variety of Functionalized Alkenes with Triethoxysilane and Trimethoxysilane. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1227-1230.	4.9	13
16	Development of Pyrene Derivatives as Promising n-Type Semiconductors: Synthesis, Structural and Spectral Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1903-1913.	2.7	7
17	Inside Cover: Study of Karstedt's Catalyst for Hydrosilylation of a Wide Variety of Functionalized Alkenes with Triethoxysilane and Trimethoxysilane ( <i>Chin. J. Chem.</i> 8/2017). <i>Chinese Journal of Chemistry</i> , 2017, 35, 1198-1198.	4.9	0
18	Preparation of non-covalent Metalloporphyrin/C <sub>60</sub> Composite and its Electrocatalysis to Hydrogen Peroxide. <i>Electroanalysis</i> , 2017, 29, 696-701.	2.9	3

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19	Advancements in the stability of perovskite solar cells: degradation mechanisms and improvement approaches. RSC Advances, 2016, 6, 38079-38091.	3.6	154
20	Large Planar $\pi$ -Conjugated Porphyrin for Interfacial Engineering in p-i-n Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 27438-27443.	8.0	70
21	Interfacial engineering by using self-assembled monolayer in mesoporous perovskite solar cell. RSC Advances, 2015, 5, 94290-94295.	3.6	76
22	Two Symmetrically Bisubstituted Pyrene Derivatives: Synthesis, Photoluminescence, and Electroluminescence. Chinese Journal of Chemistry, 2015, 33, 967-973.	4.9	13
23	Resistive Switching of Tetraaniline Films: From Ultrathin Monolayers to Robust Polymeric Blends. Chemistry of Materials, 2013, 25, 3603-3613.	6.7	7
24	Fabrication of Asymmetric Molecular Junctions by the Oriented Assembly of Dithiocarbamate Rectifiers. Journal of the American Chemical Society, 2011, 133, 5921-5930.	13.7	52