# Yan-Feng Dang

List of Publications by Year
in descending order



| 54 | 1,686 | 236925 25 | 302126 39 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 54 | 54 | 54 | 1884 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dispersion and Steric Effects on Enantio-/Diastereoselectivities in Synergistic Dual Transition-Metal Catalysis. Journal of the American Chemical Society, 2022, 144, 1971-1985. | 13.7 | 80 |
| 2 | Stereodivergent synthesis of enantioenriched azepino[3,4,5-cd]-indoles via cooperative Cu/Ir-catalyzed asymmetric allylic alkylation and intramolecular Friedelâ€“Crafts reaction. Chemical Science, 2022, 13, 4801-4812. | 7.4 | 32 |
| 3 | Ligand-promoted palladium-catalyzed Î²-methylene Câ€“H arylation of primary aldehydes. Chemical Science, 2022, 13, 5938-5943. | 7.4 | 8 |
| 4 | Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie - International Edition, 2021, 60, 6344-6350. | 13.8 | 43 |
| 5 | High-yield and sustainable synthesis of quinoidal compounds assisted by ketoâ€“enol tautomerism. Chemical Science, 2021, 12, 9366-9371. | 7.4 | 10 |
| 6 | Mechanism of Pd-catalysed C(sp<sup>3</sup>)â€“H arylation of thioethers with Ag(<scp>i</scp>) additives. Organic and Biomolecular Chemistry, 2021, 19, 6766-6770. | 2.8 | 3 |
| 7 | Origins of ligand-controlled diastereoselectivity in dirhodium-catalysed direct amination of aliphatic C(sp<sup>3</sup>)â€“H bonds. Catalysis Science and Technology, 2021, 11, 6960-6964. | 4.1 | 2 |
| 8 | Mechanistic studies of Cp*Ir(<scp>iii</scp>)/Cp*Rh(<scp>iii</scp>)-catalyzed branch-selective allylic Câ€“H amidation: why is Cp*Ir(<scp>iii</scp>) superior to Cp*Rh(<scp>iii</scp>)?. Organic and Biomolecular Chemistry, 2021, 19, 3850-3858. | 2.8 | 4 |
| 9 | Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie, 2021, 133, 6414-6420. | 2.0 | 5 |
| 10 | Exploring the pivotal role of silver(I) additives in palladium-catalyzed NH2-directed C(sp3)â€“H arylation reactions. Chinese Chemical Letters, 2021, 32, 3980-3983. | 9.0 | 6 |
| 11 | Unveiling the Hidden Ïƒâ€Dimerization of a Kinetically Protected Olympicenyl Radical. Chemistry - A European Journal, 2021, 27, 8203-8213. | 3.3 | 22 |
| 12 | Post-Transition State Bifurcation in Iron-Catalyzed Arene Aminations. ACS Catalysis, 2021, 11, 6816-6824. | 11.2 | 11 |
| 13 | Tandem catalysis in electrochemical CO2 reduction reaction. Nano Research, 2021, 14, 4471-4486. | 10.4 | 105 |
| 14 | Constructing ABA- and ABCBA-Type Multiblock Copolyesters with Structural Diversity by Organocatalytic Self-Switchable Copolymerization. Macromolecules, 2021, 54, 6171-6181. | 4.8 | 30 |
| 15 | Mechanistic Origins of Stereodivergence in Asymmetric Cascade Allylation and Cyclization Reactions Enabled by Synergistic Cu/Ir Catalysis. ACS Catalysis, 2021, 11, 9008-9021. | 11.2 | 33 |
| 16 | Mechanistic Studies of Copper(I)-Catalyzed Stereoselective [2,3]-Sigmatropic Rearrangements of Diazoesters with Allylic Iodides/Sulfides. ACS Catalysis, 2021, 11, 691-702. | 11.2 | 16 |
| 17 | Insights into the mechanism and regioselectivity in Ni-catalysed redox-relay migratory hydroarylation of alkenes with arylborons. Chemical Communications, 2021, 57, 13610-13613. | 4.1 | 6 |
| 18 | DFT Mechanistic Account for the Site Selectivity of Electron-Rich C(sp<sup>3</sup>)â€“H Bond in the Manganese-Catalyzed Aminations. Organic Letters, 2020, 22, 453-457. | 4.6 | 25 |

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|---|---|---|---|
| 19 | Origins of Chemoselectivity in the Ni-Catalyzed Biaryl and Pd-Catalyzed Acyl Suzukiâ€“Miyaura Cross-Coupling of N-Acetyl-Amides. Journal of Organic Chemistry, 2020, 85, 833-840. | 3.2 | 12 |
| 20 | Direct Arylation Polycondensation of Chlorinated Thiophene Derivatives to High-Mobility Conjugated Polymers. Macromolecules, 2020, 53, 10147-10154. | 4.8 | 27 |
| 21 | Mechanistic Studies of Nickel-Catalyzed Hydroarylation of Styrenes. Organic Letters, 2020, 22, 8998-9003. | 4.6 | 22 |
| 22 | Stable Olympicenyl Radicals and Their Ï€-Dimers. Journal of the American Chemical Society, 2020, 142, 11022-11031. | 13.7 | 63 |
| 23 | Red-emissive poly(phenylene vinylene)-derivated semiconductors with well-balanced ambipolar electrical transporting properties. Journal of Materials Chemistry C, 2020, 8, 10868-10879. | 5.5 | 18 |
| 24 | Suzukiâ€“Miyaura Cross-Coupling of Sulfoxides. ACS Catalysis, 2020, 10, 8168-8176. | 11.2 | 29 |
| 25 | High-mobility organic single-crystalline transistors with anisotropic transport based on high symmetrical â€œHâ€•shaped heteroarene derivatives. Journal of Materials Chemistry C, 2020, 8, 11477-11484. | 5.5 | 5 |
| 26 | Origins of Unconventional Î³ Site Selectivity in Palladium-Catalyzed C(sp<sup>3</sup>)â€“H Activation and Arylation of Aliphatic Alcohols. Organic Letters, 2020, 22, 1464-1468. | 4.6 | 18 |
| 27 | A â€œPhase Separationâ€•Molecular Design Strategy Towards Largeâ€Area 2D Molecular Crystals. Advanced Materials, 2019, 31, e1901437. | 21.0 | 44 |
| 28 | Organic Single Crystals: A â€œPhase Separationâ€•Molecular Design Strategy Towards Largeâ€Area 2D Molecular Crystals (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970251. | 21.0 | 2 |
| 29 | Synthesis, catalysis, and DFT study of a ruthenium carbene complex bearing a 1,2-dicarbadodecaborane (12)-1,2-dithiolate ligand. Dalton Transactions, 2019, 48, 2646-2656. | 3.3 | 4 |
| 30 | Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. Nature Chemistry, 2019, 11, 271-277. | 13.6 | 115 |
| 31 | Unveiling the mechanism and regioselectivity of iron-dipyrrinato-catalyzed intramolecular C(sp<sup>3</sup>)â€“H amination of alkyl azides. Catalysis Science and Technology, 2019, 9, 1279-1288. | 4.1 | 11 |
| 32 | Smallâ€Moleculeâ€Doped Organic Crystals with Longâ€Persistent Luminescence. Advanced Functional Materials, 2019, 29, 1902503. | 14.9 | 80 |
| 33 | Solar Thermal Storage and Room-Temperature Fast Release Using a Uniform Flexible Azobenzene-Grafted Polynorborene Film Enhanced by Stretching. Macromolecules, 2019, 52, 4222-4231. | 4.8 | 34 |
| 34 | Mechanism of the Palladium-Catalyzed C(sp<sup>3</sup>)â€“H Arylation of Aliphatic Amines: Unraveling the Crucial Role of Silver(I) Additives. ACS Catalysis, 2019, 9, 6672-6680. | 11.2 | 38 |
| 35 | Sonogashira Cross-Coupling of Aryltrimethylammonium Salts. ACS Catalysis, 2019, 9, 3730-3736. | 11.2 | 43 |
| 36 | Ultratrace Naked-Eye Colorimetric Ratio Assay of Chromium(III) Ion in Aqueous Solution via Stimuli-Responsive Morphological Transformation of Silver Nanoflakes. Analytical Chemistry, 2019, 91, 4031-4038. | 6.5 | 39 |

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|---|---|---|---|
| 37 | Mechanistic Study of Manganese-Catalyzed Câ€“H Bond Functionalizations: Factors Controlling the Competition between Hydroarylation and Cyclization. Journal of Organic Chemistry, 2019, 84, 1916-1924. | 3.2 | 11 |
| 38 | Preparation of Thioanisole Biscarbanion and Câ€“H Lithiation/Annulation Reactions for the Access of Five-Membered Heterocycles. Organic Letters, 2018, 20, 3161-3165. | 4.6 | 12 |
| 39 | Mechanistic understanding of [Rh(NHC)]-catalyzed intramolecular [5 + 2] cycloadditions of vinyloxiranes and vinylcyclopropanes with alkynes. Organic and Biomolecular Chemistry, 2018, 16, 4295-4303. | 2.8 | 8 |
| 40 | How Does Palladiumâ€“Amino Acid Cooperative Catalysis Enable Regio- and Stereoselective C(sp<sup>3</sup>)â€“H Functionalization in Aldehydes and Ketones? A DFT Mechanistic Study. ACS Catalysis, 2018, 8, 7698-7709. | 11.2 | 38 |
| 41 | A strategy for developing metal-free hydrogenation catalysts: a DFT proof-of-principle study. Dalton Transactions, 2018, 47, 7709-7714. | 3.3 | 4 |
| 42 | The Origins of the Differences between Alkyne Hydroalkoxylations Catalyzed by 8â€Quinolinolatoâ€and Dipyrrinatoâ€Ligated Rh<sup>I</sup> Complexes: A DFT Mechanistic Study. European Journal of Inorganic Chemistry, 2017, 2017, 2713-2722. | 2.0 | 7 |
| 43 | Differences between the elimination of early and late transition metals: DFT mechanistic insights into the titanium-catalyzed synthesis of pyrroles from alkynes and diazenes. Chemical Science, 2017, 8, 2413-2425. | 7.4 | 27 |
| 44 | Formylation or methylation: what determines the chemoselectivity of the reaction of amine, CO<sub>2</sub>, and hydrosilane catalyzed by 1,3,2-diazaphospholene?. Chemical Science, 2017, 8, 7637-7650. | 7.4 | 28 |
| 45 | How Does an Earth-Abundant Copper-Based Catalyst Achieve Anti-Markovnikov Hydrobromination of Alkynes? A DFT Mechanistic Study. Organometallics, 2016, 35, 1923-1930. | 2.3 | 16 |
| 46 | Organocatalytic Enantioselective Decarboxylative Michael Addition of Î²â€Keto Acids to Dicyanoolefins and Disulfonylolefins. Advanced Synthesis and Catalysis, 2016, 358, 2721-2726. | 4.3 | 35 |
| 47 | Unveiling Secrets of Overcoming the â€œHeteroatom Problemâ€•in Palladium-Catalyzed Aerobic Câ€“H Functionalization of Heterocycles: A DFT Mechanistic Study. Journal of the American Chemical Society, 2016, 138, 2712-2723. | 13.7 | 65 |
| 48 | The Mechanism of a Ligand-Promoted C(sp<sup>3</sup>)â€“H Activation and Arylation Reaction via Palladium Catalysis: Theoretical Demonstration of a Pd(II)/Pd(IV) Redox Manifold. Journal of the American Chemical Society, 2015, 137, 2006-2014. | 13.7 | 106 |
| 49 | Mechanistic Insight into Ketone Î±-Alkylation with Unactivated Olefins via Câ€“H Activation Promoted by Metalâ€“Organic Cooperative Catalysis (MOCC): Enriching the MOCC Chemistry. Journal of the American Chemical Society, 2015, 137, 6279-6291. | 13.7 | 66 |
| 50 | Depolymerization of Oxidized Lignin Catalyzed by Formic Acid Exploits an Unconventional Elimination Mechanism Involving 3câ€“4e Bonding: A DFT Mechanistic Study. ACS Catalysis, 2015, 5, 6386-6396. | 11.2 | 46 |
| 51 | Mechanism of Z-Selective Olefin Metathesis Catalyzed by a Ruthenium Monothiolate Carbene Complex: A DFT Study. Organometallics, 2014, 33, 4290-4294. | 2.3 | 20 |
| 52 | Mechanistic Origins of Chemo- and Regioselectivity of Ru(II)-Catalyzed Reactions Involving ortho-Alkenylarylacetylene, Alkyne, and Methanol: The Crucial Role of a Chameleon-like Intermediate. Journal of Organic Chemistry, 2014, 79, 9046-9064. | 3.2 | 8 |
| 53 | A Computational Mechanistic Study of an Unprecedented Heck-Type Relay Reaction: Insight into the Origins of Regio- and Enantioselectivities. Journal of the American Chemical Society, 2014, 136, 986-998. | 13.7 | 118 |
| 54 | Mechanism and Origins of Z Selectivity of the Catalytic Hydroalkoxylation of Alkynes via Rhodium Vinylidene Complexes To Produce Enol Ethers. Organometallics, 2013, 32, 2804-2813. | 2.3 | 26 |