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Construction of covalent organic framework for catalysis: Pd/COF-LZU1 in Suzuki-Miyaura coupling reaction

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1705	Construction of crystalline 2D covalent organic frameworks with remarkable chemical (acid/base) stability via a combined reversible and irreversible route. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19524-7	16.4	939
1704	Tuning delamination of layered covalent organic frameworks through structural design. <b>2012</b> , 48, 7976-8		79
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1528	3D Porous Crystalline Polyimide Covalent Organic Frameworks for Drug Delivery. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 8352-5	16.4 616
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1526	Thermo-processable covalent scaffolds with reticular hierarchical porosity and their high efficiency capture of carbon dioxide. <b>2015</b> , 3, 14871-14875	6
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1522	Phosphomolybdic acid functionalized covalent organic frameworks: Structure characterization and catalytic properties in olefin epoxidation. <b>2015</b> , 213, 59-67	41
1521	Construction of crystalline Zn-salphen microporous polymer frameworks and their nanostructured carbons through supramolecular assembly of 1D shape-persistent polymers. <b>2015</b> , 23, 309-312	10
1520	Single-Site Palladium(II) Catalyst for Oxidative Heck Reaction: Catalytic Performance and Kinetic Investigations. <b>2015</b> , 5, 3752-3759	53
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1515	Effect of acid-catalyzed formation rates of benzimidazole-linked polymers on porosity and selective CO <sub>2</sub> capture from gas mixtures. <b>2015</b> , 49, 4715-23	31
1514	Porous Organic Frameworks for Catalysis. <b>2015</b> , 87-106	
1513	Chemical sensing in two dimensional porous covalent organic nanosheets. <b>2015</b> , 6, 3931-3939	385
1512	Solvent-Induced Facile Synthesis of Cubic-, Spherical-, and Honeycomb-Shape Palladium N-Heterocyclic Carbene Particles and Catalytic Applications in Cyanosilylation. <b>2015</b> , 11, 3642-7	9
1511	Enhanced catalytic performance of Pd/Bt nanodendrites for ligand-free Suzuki cross-coupling reactions. <b>2015</b> , 5, 28467-28473	21
1510	Mesoporous 2D covalent organic frameworks based on shape-persistent arylene-ethynylene macrocycles. <b>2015</b> , 6, 4049-4053	93
1509	A Electronic covalent organic framework catalyst: Ewells as catalytic beds for Diels-Alder reactions under ambient conditions. <b>2015</b> , 51, 10096-8	83

1508	Fluorescent Microporous Polyimides Based on Perylene and Triazine for Highly CO <sub>2</sub> -Selective Carbon Materials. <b>2015</b> , 48, 2064-2073		111
1507	Conjugated microporous polymers with chiral BINAP ligand built-in as efficient catalysts for asymmetric hydrogenation. <b>2015</b> , 5, 2585-2589		32
1506	Self-templated chemically stable hollow spherical covalent organic framework. <b>2015</b> , 6, 6786		320
1505	Synthesis of conjugated covalent organic frameworks/graphene composite for supercapacitor electrodes. <b>2015</b> , 5, 27290-27294		59
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1499	A novel 3D covalent organic framework membrane grown on a porous $\gamma$ -Al <sub>2</sub> O <sub>3</sub> substrate under solvothermal conditions. <b>2015</b> , 51, 15562-5		85
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1497	Ultrasml Pd/Au bimetallic nanocrystals embedded in hydrogen-bonded supramolecular structures: facile synthesis and catalytic activities in the reduction of 4-nitrophenol. <b>2015</b> , 3, 19433-19438		45
1496	Triazatruxene based covalent organic framework and its quick-response fluorescence-on nature towards electron rich arenes. <b>2015</b> , 3, 10066-10069		86
1495	Chemistry of Covalent Organic Frameworks. <b>2015</b> , 48, 3053-63		964
1494	Engineering supramolecular organic frameworks (SOFs) of C-alkylpyrogallol[4]arene with bipyridine-based spacers. <b>2015</b> , 51, 2304-7		29
1493	Porous Organic Frameworks. <b>2015</b> ,		13
1492	Spatial control of palladium nanoparticles in flexible click-based porous organic polymers for hydrogenation of olefins and nitrobenzene. <b>2015</b> , 8, 709-721		48
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1489	Palladium-heterogenized porous polyimide materials as effective and recyclable catalysts for reactions in water. <b>2015</b> , 17, 466-473	50
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1478	Synthesis and Catalytic Properties of New Metalloporphyrin-Based Porous Organic Framework Materials with Single and Accessible Sites. <b>2016</b> , 8, 2393-2400	18
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1467	Selective hydrogenation of aromatic carboxylic acids over basic N-doped mesoporous carbon supported palladium catalysts. <b>2016</b> , 520, 73-81	50
1466	Target Synthesis of an Azo (N <sub>2</sub> N) Based Covalent Organic Framework with High CO <sub>2</sub> -over-N <sub>2</sub> Selectivity and Benign Gas Storage Capability. <b>2016</b> , 61, 1904-1909	34
1465	Bipyridyl palladium embedded porous organic polymer as highly efficient and reusable heterogeneous catalyst for Suzuki-Miyaura coupling reaction. <b>2016</b> , 6, 34866-34871	20
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1451	Phosphonium salt and ZnX <sub>2</sub> ·Ph <sub>3</sub> integrated hierarchical POPs: tailorable synthesis and highly efficient cooperative catalysis in CO <sub>2</sub> utilization. <b>2016</b> , 4, 16017-16027		37
1450	Spontaneous Electroless Deposition of Ultrafine Pd Nanoparticles on Poly(phenylene butadiynylene)s for the Hydroxycarbonylation of Aryl Iodides. <b>2016</b> , 1, 1832-1836		3
1449	Luminescent Porous Polymers Based on Aggregation-Induced Mechanism: Design, Synthesis and Functions. <b>2016</b> , 12, 6513-6527		84
1448	Theoretical analysis of structural diversity of covalent organic framework: Stacking isomer structures thermodynamics and kinetics. <b>2016</b> , 664, 101-107		10
1447	Enhanced proton conductivity of Nafion composite membrane by incorporating phosphoric acid-loaded covalent organic framework. <b>2016</b> , 332, 265-273		65
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1445	Manipulation of Amorphous-to-Crystalline Transformation: Towards the Construction of Covalent Organic Framework Hybrid Microspheres with NIR Photothermal Conversion Ability. <b>2016</b> , 55, 13979-13984		218
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1429	Conjugated Polymers: Catalysts for Photocatalytic Hydrogen Evolution. <b>2016</b> , 55, 15712-15727	531
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1417	Metal-Organic Framework Nanomaterials as Novel Signal Probes for Electron Transfer Mediated Ultrasensitive Electrochemical Immunoassay. <b>2016</b> , 88, 12516-12523	114
1416	Flexibility Matters: Cooperative Active Sites in Covalent Organic Framework and Threaded Ionic Polymer. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15790-15796	16.4 329
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1395	A thiadiazole-functionalized covalent organic framework for efficient CO <sub>2</sub> capture and separation. <b>2016</b> , 224, 95-99		36
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1393	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <b>2016</b> , 128, 221-225		55
1392	Construction of Covalent Organic Frameworks Bearing Three Different Kinds of Pores through the Heterostructural Mixed Linker Strategy. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4710-3	16.4	188
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1390	2D or not 2D-Layered Functional (C, N) Materials Beyond Silicon and Graphene <b>2016</b> , 217, 232-241		12
1389	Interplaying Intrinsic and Extrinsic Proton Conductivities in Covalent Organic Frameworks. <b>2016</b> , 28, 1489-1494		211
1388	Mixed Matrix Membranes (MMMs) Comprising Exfoliated 2D Covalent Organic Frameworks (COFs) for Efficient CO <sub>2</sub> Separation. <b>2016</b> , 28, 1277-1285		404
1387	Conjugated Microporous Polymers Incorporating BODIPY Moieties as Light-Emitting Materials and Recyclable Visible-Light Photocatalysts. <b>2016</b> , 49, 1666-1673		117
1386	Separation of small organic molecules using covalent organic frameworks-LZU1 as stationary phase by open-tubular capillary electrochromatography. <b>2016</b> , 1436, 109-17		78
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1370	Bottom-up design of 2D organic photocatalysts for visible-light driven hydrogen evolution. <b>2016</b> , 28, 034004	11
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1362	Covalent organic frameworks with spatially confined guest molecules in nanochannels and their impacts on crystalline structures. <b>2016</b> , 52, 1498-500	20
1361	Synthesis of bare and functionalized porous adsorbent materials for CO <sub>2</sub> capture. <b>2017</b> , 7, 399-459	21
1360	Facile Synthesis of Magnetic Covalent Organic Framework with Three-Dimensional Bouquet-Like Structure for Enhanced Extraction of Organic Targets. <b>2017</b> , 9, 2959-2965	141
1359	Incorporating Pd(OAc) <sub>2</sub> on Imine Functionalized Microporous Covalent Organic Frameworks: A Stable and Efficient Heterogeneous Catalyst for Suzuki-Miyaura Coupling in Aqueous Medium. <b>2017</b> , 2, 1063-1070	20
1358	A bifunctional covalent organic framework as an efficient platform for cascade catalysis. <b>2017</b> , 1, 1310-1316	62
1357	Construction of 2D covalent organic frameworks by taking advantage of the variable orientation of imine bonds. <b>2017</b> , 53, 2431-2434	33
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1337	Fabrication of plasmonic Au-Pd alloy nanoparticles for photocatalytic Suzuki-Miyaura reactions under ambient conditions. <b>2017</b> , 9, 6026-6032	55
1336	A quaternary-ammonium-functionalized covalent organic framework for anion conduction. <b>2017</b> , 19, 4905-4910	34
1335	Soluble Porous Coordination Frameworks Constructed from Inorganic Nanoparticles as Homogenized Heterogeneous Photocatalysts for Suzuki Coupling Reactions under Near-Infrared Light. <b>2017</b> , 23, 8879-8885	11
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1322	Multivariate Chiral Covalent Organic Frameworks with Controlled Crystallinity and Stability for Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8277-8285	16.4	186
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1318	Heptazine-Based Porous Framework Supported Palladium Nanoparticles for Green SuzukiMiyaura Reaction. <b>2017</b> , 56, 4275-4280		29
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1289	Bicarbazole-based redox-active covalent organic frameworks for ultrahigh-performance energy storage. <b>2017</b> , 53, 11334-11337		63
1288	Facile synthesis of -C[double bond, length as m-dash]N- linked covalent organic frameworks under ambient conditions. <b>2017</b> , 53, 11956-11959		41
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1284	Spiers Memorial Lecture: Progress and prospects of reticular chemistry. <b>2017</b> , 201, 9-45		67
1283	Facile synthesis of core-shell structured magnetic covalent organic framework composite nanospheres for selective enrichment of peptides with simultaneous exclusion of proteins. <b>2017</b> , 5, 7496-7503		74
1282	Highly Microporous Nitrogen-doped Carbon Synthesized from Azine-linked Covalent Organic Framework and its Supercapacitor Function. <b>2017</b> , 23, 17504-17510		50
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1267	A covalent organic framework-based magnetic sorbent for solid phase extraction of polycyclic aromatic hydrocarbons, and its hyphenation to HPLC for quantitation. <b>2017</b> , 184, 3867-3874	67
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1262	General Route to High Surface Area Covalent Organic Frameworks and Their Metal Oxide Composites as Magnetically Recoverable Adsorbents and for Energy Storage. <b>2017</b> , 6, 1444-1450	53
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1255	Three-Dimensional Anionic Cyclodextrin-Based Covalent Organic Frameworks. <b>2017</b> , 129, 16531-16535	42
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1232	Ultrastable Imine-Based Covalent Organic Frameworks for Sulfuric Acid Recovery: An Effect of Interlayer Hydrogen Bonding. <b>2018</b> , 130, 5899-5904	34
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1215	Metal Doped CoreShell Metal-Organic Frameworks@Covalent Organic Frameworks (MOFs@COFs) Hybrids as a Novel Photocatalytic Platform. <b>2018</b> , 28, 1707110	122
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1210	Lewis-Acid-Catalyzed Interfacial Polymerization of Covalent Organic Framework Films. <b>2018</b> , 4, 308-317	227
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502	Schiff base network-1 incorporated monolithic column for in-tube solid phase microextraction of antiepileptic drugs in human plasma. <b>2021</b> , 226, 122098	6
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422	Membrane-protected covalent organic framework fiber for direct immersion solid-phase microextraction of 17beta-estradiol in milk. <b>2021</b> , 359, 129816	2
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310	Chiral derivatives of covalent organic framework TpBD (NH) used as stationary phases in gas chromatography.. <b>2022</b> ,	1
309	A facile and scalable synthetic method for covalent organic nanosheets: ultrasonic polycondensation and photocatalytic degradation of organic pollutants.. <b>2022</b> , 13, 1009-1015	3
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116	Ionic Conjugated Polymers as Heterogeneous Catalysts for the Cycloaddition of Carbon Dioxide to Epoxides to Form Carbonates under Solvent- and Cocatalyst-Free Conditions.	0
115	Beta-cyclodextrin covalent organic framework coated silica composite as chiral stationary phase for high-performance liquid chromatographic separation.	0
114	Topology control of three-dimensional covalent organic frameworks by adjusting steric hindrance effect.	1
113	Photoactive Covalent Organic Frameworks for Catalyzing Organic Reactions.	0
112	Three-Dimensional Covalent Organic Framework with scu-c Topology for Drug Delivery. <b>2022</b> , 14, 48045-48051	1
111	A Novel Nanocomposite Based on Triazine Based Covalent Organic Polymer Blended with Porous g-C <sub>3</sub> N <sub>4</sub> for Photo Catalytic Dye Degradation of Rose Bengal and Fast Green. <b>2022</b> , 27, 7168	0
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