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#	Paper	IF	Citations
1005	Covalent assembly of heterosequenced macrocycles and molecular cages through orthogonal dynamic covalent chemistry (ODCC). <b>2013</b> , 15, 4296-9		47
1004	Combinatorial Chemistry Online, Volume 15, Issue 10, October 2013. <b>2013</b> , 15, 37-39		
1003	Dynamisch-kovalente Chemie. <b>2013</b> , 61, 899-904		1
1002	Dynamic covalent bond based on reversible photo $[4 + 4]$ cycloaddition of anthracene for construction of double-dynamic polymers. <b>2013</b> , 15, 6148-51		206
1001	ChemInform Abstract: Recent Advances in Dynamic Covalent Chemistry. <b>2013</b> , 44, no-no		
1000	From protein total synthesis to peptide transamidation and metathesis: playing with the reversibility of N,S-acyl or N,Se-acyl migration reactions. <b>2014</b> , 22, 137-45		26
999	Thiazolidinones derived from dynamic systemic resolution of complex reversible-reaction networks. <b>2014</b> , 20, 3288-91		28
998	Copper(I)-induced amplification of a [2]catenane in a virtual dynamic library of macrocyclic alkenes. <b>2014</b> , 12, 6167-74		27
997	A Tetrameric Cage with D2h Symmetry through Alkyne Metathesis. <b>2014</b> , 126, 10839-10843		38
996	Thermally robust and porous noncovalent organic framework with high affinity for fluorocarbons and CFCs. <b>2014</b> , 5, 5131		168
995	Gated electron sharing within dynamic naphthalene diimide-based oligorotaxanes. <b>2014</b> , 53, 4442-9		51
994	Temperature- and Voltage-Induced Ligand Rearrangement of a Dynamic Electroluminescent Metallopolymer. <b>2014</b> , 126, 8528-8531		9
993	Design and synthesis of nitrogen-rich carbonaceous two-dimensional polymer. <b>2014</b> , 4, 59102-59105		11
992	Reversible cross-linking reactions of alkoxyamine-appended polymers under bulk conditions for transition between flow and rubber-like states. <b>2014</b> , 55, 1474-1480		13
991	Expedient synthesis of C3-symmetric hexasubstituted benzenes via Nicholas reaction/[2 + 2 + 2] cycloaddition. new platforms for molecular recognition. <b>2014</b> , 16, 552-5		11
990	Hydrazone-based switches, metallo-assemblies and sensors. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1963-81	158.5	413
989	Dynamic combinatorial/covalent chemistry: a tool to read, generate and modulate the bioactivity of compounds and compound mixtures. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1899-933	58.5	263

### (2014-2014)

988	Direct observation of intermediates in a thermodynamically controlled solid-state dynamic covalent reaction. <b>2014</b> , 136, 16156-66	40
987	The processability of a poly(urea-urethane) elastomer reversibly crosslinked with aromatic disulfide bridges. <b>2014</b> , 2, 5710	170
986	Highly-efficient synthesis of covalent porphyrinic cages via DABCO-templated imine condensation reactions. <b>2014</b> , 50, 11162-4	19
985	Probing secondary interactions in biomolecular recognition by dynamic combinatorial chemistry. <b>2014</b> , 50, 5810-25	52
984	Dynamic covalent assembly of tribenzotriquinacenes into molecular cubes. <b>2014</b> , 50, 12454-7	82
983	State-of-the-art analytical methods for assessing dynamic bonding soft matter materials. <b>2014</b> , 26, 5758-85	24
982	Porous polymers based on aryleneethynylene building blocks. <b>2014</b> , 35, 1466-96	53
981	Spontaneous formation of organic helical architectures through dynamic covalent chemistry. <b>2014</b> , 50, 14744-7	5
980	Relaxing Conformational Constraints in Dynamic Macrocycle Synthesis. <b>2014</b> , 47, 3829-3836	18
979	Temperature- and voltage-induced ligand rearrangement of a dynamic electroluminescent metallopolymer. <b>2014</b> , 53, 8388-91	70
978	A tetrameric cage with D2h symmetry through alkyne metathesis. <b>2014</b> , 53, 10663-7	93
977	Dynamic covalent chemistry of bisimines at the solid/liquid interface monitored by scanning tunnelling microscopy. <b>2014</b> , 6, 1017-23	106
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973	Kinetically controlled phenomena in dynamic combinatorial libraries. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1873-84	102
972	Constitutional Dynamic Chemistry. <b>2014</b> , 1-25	3
971	Gated Electron Sharing Within Dynamic Naphthalene Diimide-Based Oligorotaxanes. <b>2014</b> , 126, 4531-4538	15

Dynamic Formation of Hybrid Peptidic Capsules by Chiral Self-Sorting and Self-Assembly. 2014, 126, 13980-13984 970 Dynamic covalent organocatalysts discovered from catalytic systems through rapid deconvolution 18 969 screening. 2015, 21, 12735-40 trans-Symmetric Dynamic Covalent Systems: Connected Transamination and Transimination 968 21 Reactions. 2015, 21, 9776-83 Macromolecular Design of Alkoxyamine-Containing Radically Reactive Polymers Based on Dynamic 967 Covalent Chemistry. 2015, 72, 341-353 966 Complex Functional Systems with Three Different Types of Dynamic Covalent Bonds. 2015, 127, 9108-9111 20 Dynamic Expression of DNA Complexation with Self-assembled Biomolecular Clusters. 2015, 127, 10321-1032516 965 Shape-Controlled Synthesis and Self-Sorting of Covalent Organic Cage Compounds. 2015, 54, 10356-60 964 124 Synthesis of Phenylene Vinylene Macrocycles through Acyclic Diene Metathesis Macrocyclization 963 15 and Their Aggregation Behavior. 2015, 21, 16935-40 6,7-Bismethoxy-2,11-dihydroxytetraphenylene Derived Macrocycles: Synthesis, Structures, and 6 962 Complexation with Fullerenes. 2015, 10, 2342-6 Direct Synthesis of Hemiaminal Ethers via a Three-Component Reaction of Aldehydes, Amines and 961 9 Alcohols. 2015, 357, 2821-2826 Adsorption-Driven Self-Sorting of Dynamic Imine Libraries. 2015, 127, 2247-2250 960 13 Formkontrollierte Synthese und Selbstsortierung kovalent-organischer Kfigverbindungen. 2015, 78 959 127, 10497-10502 Dynamic Covalent Chemistry of Nucleophilic Substitution Component Exchange of Quaternary 958 13 Ammonium Salts. 2015, 10, 2484-96 Complex Functional Systems with Three Different Types of Dynamic Covalent Bonds. 2015, 54, 8980-3 957 42 Ultra-thin Solid-State Li-Ion Electrolyte Membrane Facilitated by a Self-Healing Polymer Matrix. 128 956 2015, 27, 6922-7 Neue Anstze zur direkten Verwendung elementaren Schwefels in der Synthese und Verarbeitung 955 27 moderner Werkstoffe. 2015, 127, 3298-3308 A Cul-Based Metallo-Supramolecular Gel-Like Material Built from a Library of Oligomeric Ligands 954 7 Featuring Exotopic 1,10-Phenanthroline Units. 2015, 2015, 7504-7510 Melt-processable dynamic-covalent poly(hemiaminal) organogels as scaffolds for UV-induced 953 7 polymerization. 2015, 27, 4714-8

### (2015-2015)

952	Adaptable hydrogel networks with reversible linkages for tissue engineering. <b>2015</b> , 27, 3717-36	422
951	Generation of a Multicomponent Library of Disulfide Donor-Acceptor Architectures Using Dynamic Combinatorial Chemistry. <b>2015</b> , 16, 16300-12	10
950	Orthogonal breaking and forming of dynamic covalent imine and disulfide bonds in aqueous solution. <b>2015</b> , 51, 11052-5	18
949	Template-controlled synthesis of chiral cyclohexylhemicucurbit[8]uril. <b>2015</b> , 51, 10921-4	32
948	Self-Assembly Process of Dodecanuclear Pt(II)-Linked Cyclic Hexagon. <b>2015</b> , 137, 7664-7	35
947	Multistimuli-responsive White Luminescent Fluids Using Hybrid Lanthanide Metal¶oordinate Complex Probes. <b>2015</b> , 3, 1041-1046	23
946	Self assembled macrobicycle and tricycle cages containing pyrrole rings by dynamic covalent chemistry method. <b>2015</b> , 82, 461-470	1
945	Self-assembly of dynamic orthoester cryptates. <b>2015</b> , 6, 7129	57
944	Single-chain polymer nanoparticles: Mimic the proteins. <b>2015</b> , 66, A11-A21	53
943	Dynamic Covalent Assembly of Peptoid-Based Ladder Oligomers by Vernier Templating. <b>2015</b> , 137, 16196-20	02 27
942	Instructable Nanoparticles Using Dynamic Combinatorial Chemistry. 2015, 31, 12658-63	17
941	pH-controlled DNA- and RNA-templated assembly of short oligomers. <b>2015</b> , 6, 542-547	13
940	Stacking of hydrazone-bridged linear tetrathiafulvalene radical cations. <b>2015</b> , 71, 605-609	4
939	Mirror symmetry breaking upon spontaneous crystallization from a dynamic combinatorial library of macrocyclic imines. <b>2015</b> , 51, 4306-9	16
938	Reactivity-based dynamic covalent chemistry: reversible binding and chirality discrimination of monoalcohols. <b>2015</b> , 80, 2627-33	12
937	Reversible Morphological Transformation between Polymer Nanocapsules and Thin Films through Dynamic Covalent Self-Assembly. <b>2015</b> , 127, 2731-2735	9
936	Columnar liquid-crystalline metallomacrocycles. <b>2015</b> , 137, 2295-302	57
935	Reversible morphological transformation between polymer nanocapsules and thin films through	32

934	Novel poly(tetramethylene ether)glycol and poly(Laprolactone) based dynamic network via quadruple hydrogen bonding with triple-shape effect and self-healing capacity. <b>2015</b> , 7, 2585-96	114
933	Recent approaches for the direct use of elemental sulfur in the synthesis and processing of advanced materials. <b>2015</b> , 54, 3249-58	173
932	Dynamic imine chemistry in metalBrganic polyhedra. <b>2015</b> , 5, 67011-67030	25
931	Constitutional Dynamic Chemistry-based New Concept of Molecular Beacons for High Efficient Development of Fluorescent Probes. <b>2015</b> , 119, 6721-9	6
930	Surface-initiated controlled radical polymerizations from silica nanoparticles, gold nanocrystals, and bionanoparticles. <b>2015</b> , 6, 5143-5184	95
929	Stepwise Motion in a Multivalent [2](3)Catenane. <b>2015</b> , 137, 9739-45	87
928	Colorful surface architectures with three different types of dynamic covalent bonds: integration of anthocyanins, tritylium ions and flavins. <b>2015</b> , 13, 8687-94	11
927	Acylhydrazones as Reversible Covalent Crosslinkers for Self-Healing Polymers. <b>2015</b> , 25, 3295-3301	166
926	Recent Advances in Supramolecular Analytical Chemistry Using Optical Sensing. <b>2015</b> , 115, 7840-92	616
925	Self-assembly of nanostructured materials through irreversible covalent bond formation. <b>2015</b> , 48, 2221-9	100
924	Mechanistic Studies on Covalent Assemblies of Metal-Mediated Hemi-Aminal Ethers. 2015, 6, 158-164	24
923	The Dynamic Assembly of Covalent Organic Polygons: Finding the Optimal Balance of Solubility, Functionality, and Stability. <b>2015</b> , 2015, 2928-2941	8
922	Room-Temperature Self-Healing Polymers Based on Dynamic-Covalent Boronic Esters. <b>2015</b> , 48, 2098-2106	405
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920	High sulfur content polymer nanoparticles obtained from interfacial polymerization of sodium polysulfide and 1,2,3-trichloropropane in water. <b>2015</b> , 36, 1103-7	20
919	Mixing the immiscible: blends of dynamic polymer networks. <b>2015</b> , 5, 17514-17518	32
918	Dynamic signaling cascades: reversible covalent reaction-coupled molecular switches. <b>2015</b> , 137, 14220-8	26
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# (2016-2015)

916	Heterogeneous Pore Structures. <b>2015</b> , 137, 13772-5	113
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913	Design, preparation, and selection of DNA-encoded dynamic libraries. <b>2015</b> , 6, 7097-7104	49
912	Cobalt(III) complexes with tridentate hydrazone ligands: protonation state and hydrogen bond competition. <b>2015</b> , 5, 104870-104883	16
911	Dynamic covalent polypeptides showing tunable secondary structures and thermoresponsiveness. <b>2015</b> , 53, 33-41	25
910	Adsorption-driven self-sorting of dynamic imine libraries. <b>2015</b> , 54, 2219-22	31
909	Imine macrocycle with a deep cavity: guest-selected formation of syn/anti configuration and guest-controlled reconfiguration. <b>2015</b> , 21, 3005-12	48
908	Shape-persistent arylene ethynylene organic hosts for fullerenes. <b>2015</b> , 15, 97-106	29
907	Orthoester exchange: a tripodal tool for dynamic covalent and systems chemistry. <b>2015</b> , 6, 1399-1403	43
906	Hierarchical supramolecules and organization using boronic acid building blocks. 2015, 51, 2005-20	110
905	Engineering organic macrocycles and cages: versatile bonding approaches. <b>2015</b> , 10, 24-42	34
904	Tuning the luminescence behaviors of a chloroplatinum(II) complex by component exchanges of dynamic acylhydrazone bonds. <b>2015</b> , 44, 66-70	8
903	Polyvinyl Alcohol <b>B</b> orax Slime as Promising Polyelectrolyte for High-Performance, Easy-to-Make Electrochromic Devices. <b>2015</b> , 2, 218-223	39
902	Two-dimensional soft nanomaterials: a fascinating world of materials. 2015, 27, 403-27	374
901	Applications of dynamic combinatorial chemistry for the determination of effective molarity. <b>2015</b> , 6, 144-151	26
900	Constitutional Dynamics of Metal-Organic Motifs on a Au(111) Surface. <b>2016</b> , 55, 7157-60	16
899	N-Substituted Dicyanomethylphenyl Radicals: Dynamic Covalent Properties and Formation of Stimuli-Responsive Cyclophanes by Self-Assembly. <b>2016</b> , 55, 8634-8	55

898	Dynamic Covalent Nanoparticle Building Blocks. <b>2016</b> , 22, 10706-16	22
897	Molecularly Regulated Reversible DNA Polymerization. <b>2016</b> , 128, 6769-6773	5
896	Chelation-Induced Polymer Structural Hierarchy/Complexity in Water. <b>2016</b> , 37, 1275-81	1
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894	Cofacial Organic Click Cage to Intercalate Polycyclic Aromatic Hydrocarbons. <b>2016</b> , 18, 3394-7	15
893	N-Substituted Dicyanomethylphenyl Radicals: Dynamic Covalent Properties and Formation of Stimuli-Responsive Cyclophanes by Self-Assembly. <b>2016</b> , 128, 8776-8780	28
892	Probing the Limits of Selectivity in a Recognition-Mediated Reaction Network Embedded within a Dynamic Covalent Library. <b>2016</b> , 22, 1831-9	17
891	Building Giant Carbocycles by Reversible C-C Bond Formation. <b>2016</b> , 55, 894-8	23
890	Building Giant Carbocycles by Reversible CII Bond Formation. 2016, 128, 906-910	12
889	Combining Mobile and Dynamic Bonds for Rapid and Efficient Self-Healing Materials. <b>2016</b> , 1, 672-673	1
889	Combining Mobile and Dynamic Bonds for Rapid and Efficient Self-Healing Materials. <b>2016</b> , 1, 672-673  Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <b>2016</b> , 55, 213-7	213
	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at	
888	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <b>2016</b> , 55, 213-7	213
888	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <b>2016</b> , 55, 213-7  Dynamic disulfide metathesis induced by ultrasound. <b>2016</b> , 52, 6363-6	213
888 887 886	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. 2016, 55, 213-7  Dynamic disulfide metathesis induced by ultrasound. 2016, 52, 6363-6  The emergence of oxime click chemistry and its utility in polymer science. 2016, 7, 3812-3826	213 44 83
888 887 886 885	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. 2016, 55, 213-7  Dynamic disulfide metathesis induced by ultrasound. 2016, 52, 6363-6  The emergence of oxime click chemistry and its utility in polymer science. 2016, 7, 3812-3826  Phenylene vinylene macrocycles as artificial transmembrane transporters. 2016, 52, 5848-51  iPr2NB?Fe(CO)4 in Olefinic Solvents: A Reservoir of a Transient Phosphinidene Complex Capable	213 44 83 7
888 887 886 885	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. 2016, 55, 213-7  Dynamic disulfide metathesis induced by ultrasound. 2016, 52, 6363-6  The emergence of oxime click chemistry and its utility in polymer science. 2016, 7, 3812-3826  Phenylene vinylene macrocycles as artificial transmembrane transporters. 2016, 52, 5848-51  iPr2NP?Fe(CO)4 in Olefinic Solvents: A Reservoir of a Transient Phosphinidene Complex Capable of Substrate Hopping. 2016, 35, 1170-1176	213 44 83 7 22

# (2016-2016)

880	Experimental Binding Energies in Supramolecular Complexes. <b>2016</b> , 116, 5216-300	303
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877	Supramolecular metallogels with bulk self-healing properties prepared by in situ metal complexation. <b>2016</b> , 52, 13068-13081	66
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874	Spatially well-defined carbohydrate nanoplatforms: synthesis, characterization and lectin interaction study. <b>2016</b> , 52, 12326-12329	8
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870	Self-Healing Hydrogels. <b>2016</b> , 28, 9060-9093	701
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866	Dynamic Covalent Polymer Networks Based on Degenerative Imine Bond Exchange: Tuning the Malleability and Self-Healing Properties by Solvent. <b>2016</b> , 49, 6277-6284	219
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863	Dynamic covalent polymers. <b>2016</b> , 54, 3551-3577	114

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853	Constitutional Dynamics of Metal®rganic Motifs on a Au(111) Surface. <b>2016</b> , 128, 7273-7276	4
852	Molecularly Regulated Reversible DNA Polymerization. <b>2016</b> , 55, 6657-61	8
851	Multimetallic Architectures from the Self-assembly of Amino Acids and Tris(2-pyridylmethyl)amine Zinc(II) Complexes: Circular Dichroism Enhancement by Chromophores Organization. <b>2016</b> , 22, 6515-8	35
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847	Two-dimensional porphyrin- and phthalocyanine-based covalent organic frameworks. <b>2016</b> , 27, 1376-1382	42
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845	Investigation of the dynamic nature of 1,2-oxazines derived from peralkylcyclopentadiene and nitrosocarbonyl species. <b>2016</b> , 14, 5617-21	4

### (2017-2016)

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842	Implications of dynamic imine chemistry for the sustainable synthesis of nitrogen heterocycles via transimination followed by intramolecular cyclisation. <b>2016</b> , 14, 2473-9	24
841	Quantitative Reactivity Scales for Dynamic Covalent and Systems Chemistry. <b>2016</b> , 138, 381-9	20
840	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <b>2016</b> , 128, 221-225	55
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838	Dynamic covalent assembly and disassembly of nanoparticle aggregates. <b>2016</b> , 52, 9117-20	30
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836	Dynamic covalent synthesis of aryleneethynylene cages through alkyne metathesis: dimer, tetramer, or interlocked complex?. <b>2016</b> , 7, 3370-3376	81
835	Multi-responsive coordination polymers utilising metal-stabilised, dynamic covalent imine bonds. <b>2016</b> , 52, 9059-62	32
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831	Epoxy resin with exchangeable disulfide crosslinks to obtain reprocessable, repairable and recyclable fiber-reinforced thermoset composites. <b>2016</b> , 3, 241-247	400
830	Autocatalytic Self-Sorting in Biomimetic Polymer. <b>2016</b> , 49, 2189-2196	3
829	Radical crossover reactions of alkoxyamine-based dynamic covalent polymer brushes on nanoparticles and the effect on their dispersibility. <b>2016</b> , 48, 147-155	8
828	Thermally Adjustable Dynamic Disulfide Linkages Mediated by Highly Air-Stable 2,2,6,6-Tetramethylpiperidine-1-sulfanyl (TEMPS) Radicals. <b>2017</b> , 56, 2016-2021	53
827	Thermally Adjustable Dynamic Disulfide Linkages Mediated by Highly Air-Stable 2,2,6,6-Tetramethylpiperidine-1-sulfanyl (TEMPS) Radicals. <b>2017</b> , 129, 2048-2053	8

826	Protein-Templated Fragment Ligations-From Molecular Recognition to Drug Discovery. 2017, 56, 7358-7378	42
825	Doubly Dynamic Self-Healing Materials Based on Oxime Click Chemistry and Boronic Acids. <b>2017</b> , 38, 1600760	63
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823	Proteintemplat-gesteuerte Fragmentligationen - von der molekularen Erkennung zur Wirkstofffindung. <b>2017</b> , 129, 7464-7485	14
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821	Enhanced Structural Organization in Covalent Organic Frameworks Through Fluorination. <b>2017</b> , 23, 4255-4259	935
820	NHC-Catalyzed Metathesis and Phosphorylation Reactions of Disulfides: Development and Mechanistic Insights. <b>2017</b> , 23, 6259-6263	12
819	Making a Right or Left Choice: Chiral Self-Sorting as a Tool for the Formation of Discrete Complex Structures. <b>2017</b> , 117, 4863-4899	99
818	Synthetic Two-Dimensional Polymers. <b>2017</b> , 47, 361-389	45
817	Boronic acid-modified alginate enables direct formation of injectable, self-healing and multistimuli-responsive hydrogels. <b>2017</b> , 53, 3350-3353	105
816	Molecular Biodynamers: Dynamic Covalent Analogues of Biopolymers. <b>2017</b> , 50, 376-386	48
815	Multiply fully recyclable carbon fibre reinforced heat-resistant covalent thermosetting advanced composites. <b>2017</b> , 8, 14657	99
814	Host Amplification in a Dithioacetal-Based Dynamic Covalent Library. <b>2017</b> , 19, 1446-1449	12
813	Dynamic covalent chemistry of imine polymers at the liquid/solid interface investigated by scanning tunneling microscopy. <b>2017</b> , 7, 11496-11502	11
812	Self-Assembly Can Direct Dynamic Covalent Bond Formation toward Diversity or Specificity. <b>2017</b> , 139, 6234-6241	42
811	A Scalable and Versatile Synthesis of Oxime-Based Hormone Dimers and Gels for Sustained Release. <b>2017</b> , 12, 1456-1460	5
810	Using Dynamic Covalent Chemistry To Drive Morphological Transitions: Controlled Release of Encapsulated Nanoparticles from Block Copolymer Vesicles. <b>2017</b> , 139, 7616-7623	121
809	Unraveling the Multistimuli Responses of a Complex Dynamic System of Pseudopeptidic Macrocycles. <b>2017</b> , 23, 10789-10799	17

808	Enzyme-Regulated Fast Self-Healing of a Pillararene-Based Hydrogel. <b>2017</b> , 18, 1885-1892	47
807	Toward Covalent Organic Frameworks Bearing Three Different Kinds of Pores: The Strategy for Construction and COF-to-COF Transformation via Heterogeneous Linker Exchange. <b>2017</b> , 139, 6736-6743	149
806	Antiparallel Dynamic Covalent Chemistries. 2017, 139, 6744-6751	32
805	Experimental and theoretical insight into the effect of fluorine substituents on the properties of azine linked covalent organic frameworks. <b>2017</b> , 19, 4882-4885	19
804	Metal ions in the synthesis of interlocked molecules and materials. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 2577-2591	136
803	Selective fluorescence signaling of hypochlorite in tap water by oxidative hydrolysis of sulfonhydrazone. <b>2017</b> , 241, 285-291	14
802	Covalent Organic Frameworks as a Platform for Multidimensional Polymerization. 2017, 3, 533-543	194
801	Theoretical study on the thermal cis - Trans isomerization of novel acylhydrazone photoswitches. <b>2017</b> , 48, 154-164	9
800	ElminoBODIPY oligomers: facilely accessible Etonjugated luminescent BODIPY arrays. 2017, 53, 7509-7512	8
799	Metal-Organic Frameworks for Heterogeneous Basic Catalysis. <b>2017</b> , 117, 8129-8176	974
798	Vesicles: self-assembly beyond biological lipids. <b>2017</b> , 7, 26608-26624	15
797	Oxime-Based and Catalyst-Free Dynamic Covalent Polyurethanes. <b>2017</b> , 139, 8678-8684	192
796	A degradable cross-linked polymer containing dynamic covalent selenide bond. <b>2017</b> , 8, 3874-3880	13
795	A statistically-based continuum theory for polymers with transient networks. <b>2017</b> , 107, 1-20	80
794	Adaptive Behavior of Dynamic Orthoester Cryptands. <b>2017</b> , 129, 794-799	38
793	Entropy-driven homochiral self-sorting of a dynamic library. <b>2017</b> , 53, 4274-4277	13
79 <sup>2</sup>	Recyclable 3D printing of vitrimer epoxy. <b>2017</b> , 4, 598-607	226
791	Dynamic covalent chemistry in aqueous solution by photoinduced radical disulfide metathesis. <b>2017</b> , 15, 3840-3842	19

790	Reversible helical chirality of perylene bisimide aggregates: amino acid-directed chiral transfer and chiral inversion. <b>2017</b> , 13, 3072-3075	9
789	Interfacial polycondensation-derived side-chain poly(ethylene glycol)-containing water-soluble polysulfide weak-link polymers as stabilizer for gold nanoparticles. <b>2017</b> , 115, 10-17	7
788	Photo- and redoxfunctional cyclophanes, macrocycles, and catenanes based on aromatic bisimides. <b>2017</b> , 31, 114-138	31
787	Selective Synthesis of Hetero-Sequenced Aza-Cyclophanes. <b>2017</b> , 2017, 1657-1661	9
786	3D printed remendable polylactic acid blends with uniform mechanical strength enabled by a dynamic DielsAlder reaction. <b>2017</b> , 8, 2087-2092	53
7 <sup>8</sup> 5	Formation of Imidazo[1,5-a]pyridine Derivatives Due to the Action of Fe on Dynamic Libraries of Imines. <b>2017</b> , 82, 3820-3825	15
7 <sup>8</sup> 4	Versatile Dynamic Covalent Assemblies for Probing Estacking and Chirality Induction from Homotopic Faces. <b>2017</b> , 23, 3804-3809	4
783	Versatile Self-Adapting Boronic Acids for H-Bond Recognition: From Discrete to Polymeric Supramolecules. <b>2017</b> , 139, 2710-2727	32
782	Adaptive Behavior of Dynamic Orthoester Cryptands. 2017, 56, 776-781	60
781	Recent advances on the encoding and selection methods of DNA-encoded chemical library. <b>2017</b> , 27, 361-369	51
78o	vesicle formation and growth: an integrative approach to artificial cells. 2017, 8, 7912-7922	29
779	Synthetic Methods Toward Single-Chain Polymer Nanoparticles. <b>2017</b> , 1-45	3
778	Hydrogels that listen to cells: a review of cell-responsive strategies in biomaterial design for tissue regeneration. <b>2017</b> , 4, 1020-1040	106
777	Saccharide-Containing Dynamic Proteoids. <b>2017</b> , 23, 16162-16166	3
776	A Three-Dimensionally EConjugated Diradical Molecular Cage. <b>2017</b> , 129, 15585-15589	13
775	A Three-Dimensionally Econjugated Diradical Molecular Cage. <b>2017</b> , 56, 15383-15387	35
774	Dual stimuli responsive self-healing and malleable materials based on dynamic thiol-Michael chemistry. <b>2017</b> , 8, 6534-6543	38
773	Malleable, Mechanically Strong, and Adaptive Elastomers Enabled by Interfacial Exchangeable Bonds. <b>2017</b> , 50, 7584-7592	121

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772	Generation of Multicomponent Molecular Cages using Simultaneous Dynamic Covalent Reactions. <b>2017</b> , 23, 18010-18018	24
771	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
77°	Tuning the physical properties of malleable and recyclable polyimine thermosets: the effect of solvent and monomer concentration. <b>2017</b> , 7, 48303-48307	26
769	Amplification of a metallacyclic receptor out of a dynamic combinatorial library. <b>2017</b> , 46, 15671-15675	7
768	Fluorescent chirality recognition by simple boronate ensembles with aggregation-induced emission capability. <b>2017</b> , 53, 10144-10147	17
767	Molecular Iodine-Promoted Transimination for the Synthesis of 6-Phenylpyrido[2?,1?:2,3]imidazo[4,5-c]quinoline and 6-(Pyridin-2-yl)pyrido[2?,1?:2,3]imidazo[4,5-c]quinolines. <b>2017</b> , 6, 1830-1837	6
766	Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. 2017, 7, 1700890	147
765	Principles of Dynamic Covalent Chemistry. <b>2017</b> , 1-30	7
764	Emerging Applications of Dynamic Covalent Chemistry from Macro- to Nanoscopic Length Scales. <b>2017</b> , 389-434	
763	Shape-persistent Macrocycles through Dynamic Covalent Reactions. <b>2017</b> , 121-163	5
762	Organic Cages through Dynamic Covalent Reactions. <b>2017</b> , 165-205	3
761	Orthogonal Dynamic Covalent and Non-covalent Reactions. <b>2017</b> , 207-251	3
760	Self-sorting through Dynamic Covalent Chemistry. <b>2017</b> , 253-286	5
759	Dynamic Covalent Chemistry for Synthetic Molecular Machines. <b>2017</b> , 287-319	1
758	Responsive Dynamic Covalent Polymers. <b>2017</b> , 321-358	8
757	Self-healing Polymers through Dynamic Covalent Chemistry. <b>2017</b> , 359-387	4
756	Rehealable imidelimine hybrid polymers with full recyclability. <b>2017</b> , 5, 21140-21145	51
755	Acylhydrazone bond dynamic covalent polymer gel monolithic column online coupling to high-performance liquid chromatography for analysis of sulfonamides and fluorescent whitening agents in food. <b>2017</b> , 1519, 28-37	20

754	Reaction of Amines with Aldehydes and Ketones Revisited: Access To a Class of Non-Scorpionate Tris(pyrazolyl)methane and Related Ligands. <b>2017</b> , 82, 10549-10562	5
753	Emergence of a New Self-Replicator from a Dynamic Combinatorial Library Requires a Specific Pre-Existing Replicator. <b>2017</b> , 139, 13612-13615	32
75²	Gelation-driven selection in dynamic covalent C 00000000000000000000000000000000000	12
751	Dynamic Covalent Chemistry of Aldehyde Enamines: Bi Fand Sc - Catalysis of Amine-Enamine  Exchange: <b>2017</b> , 23, 11908-11912 0000000 00000000000000000000000000	12
750	<b>2017</b> , 8, 6822-6828 Environment-friendly fullerene separation methods. <b>2017</b> , 330, 134-145	55
749	Dynamic Chemistry-Based Sensing: A Molecular System for Detection of Saccharide, Formaldehyde, and the Silver Ion. <b>2017</b> , 89, 9360-9367	15
748	New Multiresponsive Chromic Soft Materials: Dynamic Interconversion of Short 2,7-Dicyanomethylenecarbazole-Based Biradicaloid and the Corresponding Cyclophane Tetramer. <b>2017</b> , 23, 13776-13783	23
747	Stimulus-responsive block copolymer nano-objects and hydrogels dynamic covalent chemistry. <b>2017</b> , 8, 5374-5380	24
746	Association of phenyldiboronic acids with hydrogen bond acceptors to form hydrogen bonded DDIAA-type complexes: a DFT study. <b>2017</b> , 41, 10112-10120	2
745	Dynamic Self-Assembly of Gold/Polymer Nanocomposites: pH-Encoded Switching between 1D Nanowires and 3D Nanosponges. <b>2017</b> , 12, 2549-2553	9
744	One-Pot Self-Assembly of Peptide-Based Cage-Type Nanostructures Using Orthogonal Ligations. <b>2017</b> , 23, 14323-14331	7
743	Control of Molecular Weight and End-Functional Groups of Polyester from A2 + B2 Polycondensation via Cross-Metathesis of Cyclic Unsaturated Polyester with Difunctional Olefin. <b>2017</b> , 50, 9589-9597	7
742	Electrochemical Analysis of Enzyme Based on the Self-Assembly of Lipid Bilayer on an Electrode Surface Mediated by Hydrazone Chemistry. <b>2017</b> , 89, 13245-13251	10
741	Synthesis and properties of room-temperature self-healing polyurethane elastomers. <b>2017</b> , 54, 956-966	13
740	Materials for the Recovery of Uranium from Seawater. <b>2017</b> , 117, 13935-14013	358
739	Dynamic covalent bonding-triggered supramolecular gelation derived from tetrahydroxy-bisurea derivatives. <b>2017</b> , 13, 8609-8617	2
738	Interplay between crystallization and the DielsAlder reaction in biobased multiblock copolyesters possessing dynamic covalent bonds. <b>2017</b> , 8, 4280-4289	19
737	2D and 3D-printing of self-healing gels: design and extrusion of self-rolling objects. <b>2017</b> , 2, 283-292	44

# (2018-2017)

736	Trapping Dynamic Disulfide Bonds in the Hard Segments of Thermoplastic Polyurethane Elastomers. <b>2017</b> , 218, 1600320	52
735	Self-healing alginateBelatin biohydrogels based on dynamic covalent chemistry: elucidation of key parameters. <b>2017</b> , 1, 73-79	57
734	A Perspective on the Synthesis, Purification, and Characterization of Porous Organic Cages. <b>2017</b> , 29, 149-157	64
733	Correlation between stress relaxation dynamics and thermochemistry for covalent adaptive networks polymers. <b>2017</b> , 1, 111-118	54
732	Dynamic covalent gels assembled from small molecules: from discrete gelators to dynamic covalent polymers. <b>2017</b> , 28, 168-183	22
731	Dynamic Self-Assembly Encodes A Tri-stable Au-TiO Photocatalyst. <b>2017</b> , 29, 1604948	46
730	Metallacyclic assembly of interlocked superstructures. <b>2017</b> , 333, 1-26	74
729	Long, self-assembled molecular ladders by cooperative dynamic covalent reactions. <b>2017</b> , 8, 520-527	14
728	Locomotion and Transformation of Underwater Micrometer-Sized Molecular Aggregates under Chemical Stimuli. <b>2017</b> , 86, 101006	4
727	. 2017,	45
727 726	. <b>2017</b> , Porous Organic Cages. <b>2017</b> , 139-197	45 6
726	Porous Organic Cages. <b>2017</b> , 139-197	6
726 725	Porous Organic Cages. <b>2017</b> , 139-197  Cryptophanes. <b>2017</b> , 199-249	6
726 725 724	Porous Organic Cages. 2017, 139-197  Cryptophanes. 2017, 199-249  Cucurbiturils: Synthesis, Structures, Formation Mechanisms, and Nomenclature. 2017, 203-220  A Versatile Approach to Noncanonical, Dynamic Covalent Single- and Multi-Loop Peptide	6 6 3
726 725 724 723	Porous Organic Cages. 2017, 139-197  Cryptophanes. 2017, 199-249  Cucurbiturils: Synthesis, Structures, Formation Mechanisms, and Nomenclature. 2017, 203-220  A Versatile Approach to Noncanonical, Dynamic Covalent Single- and Multi-Loop Peptide Macrocycles for Enhancing Antimicrobial Activity. 2018, 140, 3768-3774  UV and pH-responsive supra-amphiphiles driven by combined interactions for controlled	6 3 17
726 725 724 723	Porous Organic Cages. 2017, 139-197  Cryptophanes. 2017, 199-249  Cucurbiturils: Synthesis, Structures, Formation Mechanisms, and Nomenclature. 2017, 203-220  A Versatile Approach to Noncanonical, Dynamic Covalent Single- and Multi-Loop Peptide Macrocycles for Enhancing Antimicrobial Activity. 2018, 140, 3768-3774  UV and pH-responsive supra-amphiphiles driven by combined interactions for controlled self-assembly behaviors. 2018, 14, 2112-2117  Awkwardly-Shaped Dimers, Capsules and Tetramers: Molecular and Supramolecular Motifs in	6 6 3 17

718	Product Distribution from Precursor Bite Angle Variation in Multitopic Alkyne Metathesis: Evidence for a Putative Kinetic Bottleneck. <b>2018</b> , 140, 5825-5833	28
717	Room-Temperature Self-Healing and Recyclable Tough Polymer Composites Using Nitrogen-Coordinated Boroxines. <b>2018</b> , 28, 1800560	126
716	Dynamic Covalent Chemistry under High-Pressure:A New Route to Disulfide Metathesis. <b>2018</b> , 24, 8769-8773	18
715	Multivalent Dendrimers and their Differential Recognition of Short Single-Stranded DNAs of Various Length and Sequence. <b>2018</b> , 83, 354-360	5
714	Substituted Aroylhydrazone Based Polycatenars: Tuning of Liquid Crystalline Self-Assembly. <b>2018</b> , 3, 4027-4037	6
713	A Multicontrolled Enamine Configurational Switch Undergoing Dynamic Constitutional Exchange. <b>2018</b> , 130, 6364-6368	2
712	A Multicontrolled Enamine Configurational Switch Undergoing Dynamic Constitutional Exchange. <b>2018</b> , 57, 6256-6260	11
711	Mechanical enhancement of amine-functionalized TiO2 reinforced polyimine composites. <b>2018</b> , 135, 46446	5
710	Chiral separation and characterization of triazatruxene-based face-rotating polyhedra: the role of non-covalent facial interactions. <b>2018</b> , 54, 4685-4688	17
709	Crystal structure and Hirshfeld surface analysis of 3-cyano-phenyl-boronic acid. 2018, 74, 441-444	2
708	Advances in covalent organic frameworks in separation science. <b>2018</b> , 1542, 1-18	150
707	Highly Stable Spherical Metallo-Capsule from a Branched Hexapodal Terpyridine and Its Self-Assembled Berry-type Nanostructure. <b>2018</b> , 140, 2555-2561	31
706	Construction of a Hierarchical Architecture of Covalent Organic Frameworks via a Postsynthetic Approach. <b>2018</b> , 140, 2602-2609	81
705	Synthesis and Analysis of Substituted Bullvalenes. <b>2018</b> , 130, 2600-2604	4
704	2,5-Diaryltellurophenes: Effect of Electron-Donating and Electron-Withdrawing Groups on their Optoelectronic Properties. <b>2018</b> , 83, 1969-1975	12
703	Isodesmic Reactions in Catalysis Dnly the Beginning?. <b>2018</b> , 58, 94-103	14
702	Exploration of C-H Transformations of Aldehyde Hydrazones: Radical Strategies and Beyond. <b>2018</b> , 51, 484-495	77
701	A hemiaminal-ether structure stabilized by lanthanide complexes with an imidazole-based Schiff base ligand. <b>2018</b> , 47, 2638-2645	6

### (2018-2018)

700	nanoparticles: a facile approach for size and shape control. <b>2018</b> , 9, 815-819	4
699	Synthesis of Macrocyclic Hexamine from Naphthalene-based C2-Symmetric Chiral Diamine and Dialdehyde. <b>2018</b> , 47, 340-343	O
698	Kohlenhydratresponsive Oberflühenhaftung basierend auf dynamisch kovalenter Chemie zwischen Phenylboronsüre- und Catecholpolymerbüsten. <b>2018</b> , 130, 2499-2503	9
697	Synthetic Two-dimensional Organic Structures. <b>2018</b> , 36, 425-444	22
696	Thermally Reversible Cross-linkers To Facilitate the Improved Reprocessability of Poly(butyl methanol methacrylate) Rubber with Excellent Thermal and Mechanical Properties. <b>2018</b> , 57, 946-953	8
695	Synthesis and mechanical exfoliation of imine-linked two-dimensional conjugated polymers. <b>2018</b> , 6, 722-725	14
694	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. 2018, 57, 1869-1873	19
693	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <b>2018</b> , 130, 1887-1891	5
692	Carbohydrate-Responsive Surface Adhesion Based on the Dynamic Covalent Chemistry of Phenylboronic Acid- and Catechol-Containing Polymer Brushes. <b>2018</b> , 57, 2474-2478	36
691	Imine-Based Architectures at Surfaces and Interfaces: From Self-Assembly to Dynamic Covalent Chemistry in 2D. <b>2018</b> , 13, 465-481	28
690	Three-dimensional extrusion bioprinting of single- and double-network hydrogels containing dynamic covalent crosslinks. <b>2018</b> , 106, 865-875	152
689	Dissolution of epoxy thermosets mild alcoholysis: the mechanism and kinetics study <b>2018</b> , 8, 1493-1502	43
688	Introduction. <b>2018</b> , 1-7	
687	Synthesis of Metallic Nanoparticles Using Closed-Shell Structures as Templates. <b>2018</b> , 13, 362-372	21
686	Engineering of EHydroxyl Esters into Elastomer-Nanoparticle Interface toward Malleable, Robust, and Reprocessable Vitrimer Composites. <b>2018</b> , 10, 2992-3001	105
685	Synthesis and Analysis of Substituted Bullvalenes. <b>2018</b> , 57, 2570-2574	16
684	A Robust, Self-Healable, and Shape Memory Supramolecular Hydrogel by Multiple Hydrogen Bonding Interactions. <b>2018</b> , 39, e1800138	59
683	Dynamic Covalent Silica Nanoparticles for pH-Switchable Pickering Emulsions. <b>2018</b> , 34, 5798-5806	29

682	Coacervation of dynamic covalent surfactants with polyacrylamides: properties and applications. <b>2018</b> , 14, 4178-4184	9
681	Self-assembled orthoester cryptands: orthoester scope, post-functionalization, kinetic locking and tunable degradation kinetics. <b>2018</b> , 9, 4785-4793	23
68o	Gelation properties of terpyridine gluconic acid derivatives and their reversible stimuli-responsive white light emitting solution. <b>2018</b> , 157, 64-71	8
679	Routes to Make Natural Rubber Heal: A Review. <b>2018</b> , 58, 585-609	34
678	Polymer engineering based on reversible covalent chemistry: A promising innovative pathway towards new materials and new functionalities. <b>2018</b> , 80, 39-93	285
677	Benzoxazole-Linked Ultrastable Covalent Organic Frameworks for Photocatalysis. <b>2018</b> , 140, 4623-4631	347
676	Unresolved Issues that Remain in Molecular Self-Assembly. <b>2018</b> , 91, 957-978	40
675	Probing the mechanism of thermally driven thiol-Michael dynamic covalent chemistry. <b>2018</b> , 16, 2725-2734	26
674	Sweet Switch: Sugar-Responsive Bioactive Surfaces Based on Dynamic Covalent Bonding. <b>2018</b> , 10, 10647-10	6555
673	Quantitative Analysis of Self-Assembly Process of a Pd L Cage Consisting of Rigid Ditopic Ligands. <b>2018</b> , 24, 663-671	29
672	Pure hydrophilic block copolymer vesicles with redox- and pH-cleavable crosslinks. 2018, 9, 1626-1637	14
671	Dynamic covalent chemistry enables formation of antimicrobial peptide quaternary assemblies in a completely abiotic manner. <b>2017</b> , 10, 45-50	35
670	Quantitative Analysis of the Self-Assembly Process of Hexagonal Pt Macrocyclic Complexes: Effect of the Solvent and the Components. <b>2018</b> , 24, 838-847	12
669	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. <b>2018</b> , 57, 1300-1305	47
668	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. <b>2018</b> , 130, 1314-1319	17
667	Narcissistic chiral self-sorting of molecular face-rotating polyhedra. <b>2017</b> , 16, 34-37	18
666	Covalent Organic Frameworks and Cage Compounds: Design and Applications of Polymeric and Discrete Organic Scaffolds. <b>2018</b> , 57, 4850-4878	293
665	Kovalente organische Netzwerke und Kfligverbindungen: Design und Anwendungen von polymeren und diskreten organischen GerEten. <b>2018</b> , 130, 4942-4972	86

664	Selective MeCN/EtCN sorption and preferential inclusion of substituted benzenes in a cage structure with arylsulfonamide-armed anthraquinones. <b>2018</b> , 20, 17-24	6
663	Cage-templated synthesis of highly stable palladium nanoparticles and their catalytic activities in Suzuki-Miyaura coupling. <b>2018</b> , 9, 676-680	79
662	Covalent post-assembly modification in metallosupramolecular chemistry. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 626-644	140
661	Self-sorted pore-formation in the construction of heteropore covalent organic frameworks based on orthogonal reactions. <b>2018</b> , 54, 880-883	24
660	Resolving a Reactive Organometallic Intermediate from Dynamic Directing Group Systems by Selective C-H Activation. <b>2018</b> , 24, 101-104	6
659	Hybrid network via instantaneous photoradiation: High efficient design of 100% bio-based thermosets with remoldable and recyclable capabilities after UV curing. <b>2018</b> , 336, 54-63	10
658	Superior Toughness and Fast Self-Healing at Room Temperature Engineered by Transparent Elastomers. <b>2018</b> , 30, 1705145	353
657	Cell-Mimicry Behaviors of Micrometer-Sized Oil Droplets in Aqueous Solution. 2018,	
656	Recent Advances in Applying Vulcanization/Inverse Vulcanization Methods to Achieve High-Performance Sulfur-Containing Polymer Cathode Materials for Liß Batteries. <b>2018</b> , 2, 1800156	42
655	A real recycling loop of sulfur-cured rubber through transalkylation exchange of CB bonds. <b>2018</b> , 20, 5454-5458	21
654	From 1D ordered linear polymers to discrete macrocycles: surface adsorption and pH take control. <b>2018</b> , 54, 12210-12213	6
653	Copper(ii) serves as an efficient additive for metal-directed self-assembly of over 20 thiacyclophanes. <b>2018</b> , 54, 13419-13422	6
652	Functional protein nanostructures: a chemical toolbox. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 9069-9105 58.5	61
651	Formation of emissive nanoparticles from tetraphenylethylene-containing boronate macrocycles: preparation, characterization and functionalization. <b>2018</b> , 6, 11052-11062	6
650	Controllable Self-Assembly of Pills and Cages via Imine Condensation for Silver Cation Detection. <b>2018</b> , 20, 7447-7450	10
649	Template-promoted self-replication in dynamic combinatorial libraries made from a simple building block. <b>2018</b> , 54, 13096-13098	11
648	Dynamic Diels-Alder reactions of maleimide-furan amphiphiles and their fluorescence ON/OFF behaviours. <b>2018</b> , 16, 7871-7877	15
647	Chemomechanics in the Moisture-Induced Malleability of Polyimine-Based Covalent Adaptable Networks. <b>2018</b> , 51, 9825-9838	35

646	Boronic ester-based dynamic covalent ionic liquid gels for self-healable, recyclable and malleable optical devices. <b>2018</b> , 6, 12493-12497	10
645	Vanillin-Based Polyschiff Vitrimers: Reprocessability and Chemical Recyclability. <b>2018</b> , 6, 15463-15470	69
644	Dynamic covalent bond-based hydrogels with superior compressive strength, exceptional slice-resistance and self-healing properties. <b>2018</b> , 14, 7950-7953	14
643	Effect of Structure on the Spin-Spin Interactions of Tethered Dicyanomethyl Diradicals. <b>2018</b> , 140, 14308-143	B <b>13</b> 9
642	Wavelength-Controlled Dynamic Metathesis: A Light-Driven Exchange Reaction between Disulfide and Diselenide Bonds. <b>2018</b> , 130, 16664-16668	15
641	Dynamic Behavior of Covalent Organic Cages. <b>2018</b> , 24, 17856-17868	25
640	pH-Responsive Dipeptide-Based Dynamic Covalent Chemistry Systems Whose Products and Self-Assemblies Depend on the Structure of Isomeric Aromatic Dialdehydes. <b>2018</b> , 34, 13725-13734	4
639	Templated Chromophore Assembly on Peptide Scaffolds: A Structural Evolution. <b>2018</b> , 24, 16136-16148	12
638	Upper-Rim Monofunctionalisation in the Synthesis of Triazole- and Disulfide-Linked Multicalix[4]-and -[6]arenes. <b>2018</b> , 24, 19089-19097	O
637	Productive Exchange of Thiols and Thioesters to Form Dynamic Polythioester-Based Polymers. <b>2018</b> , 7, 1312-1316	27
636	DNA-Encoded Dynamic Chemical Library and Its Applications in Ligand Discovery. <b>2018</b> , 140, 15859-15867	59
635	Wavelength-Controlled Dynamic Metathesis: A Light-Driven Exchange Reaction between Disulfide and Diselenide Bonds. <b>2018</b> , 57, 16426-16430	65
634	Redox-responsive Pickering emulsion derived from the fabricated sheddable polymeric micelles. <b>2018</b> , 158, 1-9	13
633	Salt-Mediated Polyampholyte Hydrogels with High Mechanical Strength, Excellent Self-Healing Property, and Satisfactory Electrical Conductivity. <b>2018</b> , 28, 1804416	133
632	Enhancement of the stimuli-responsiveness and photo-stability of dynamic diselenide bonds and diselenide-containing polymers by neighboring aromatic groups. <b>2018</b> , 154, 281-290	22
631	Heteropore covalent organic frameworks: a new class of porous organic polymers with well-ordered hierarchical porosities. <b>2018</b> , 5, 3341-3356	43
630	SAr stands corrected. <b>2018</b> , 10, 996-998	1
629	A positive positive to negative. <b>2018</b> , 10, 998-1000	2

### (2018-2018)

628	Cage Encapsulated Gold Nanoparticles as Heterogeneous Photocatalyst for Facile and Selective Reduction of Nitroarenes to Azo Compounds. <b>2018</b> , 140, 12592-12601		109
627	Dynamic self-correcting nucleophilic aromatic substitution. <b>2018</b> , 10, 1023-1030		44
626	A Route to Enantiopure (O-Methyl)-2,6-Helic[6]arenes: Synthesis of Hexabromo-Substituted 2,6-Helic[6]arene Derivatives and Their Suzuki-Miyaura Coupling Reactions. <b>2018</b> , 83, 11532-11540		14
625	Azobenzene-based solar thermal fuels: design, properties, and applications. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 7339-7368	58.5	188
624	Formation of a Macrocycles-in-a-Macrocycle Superstructure with All-gauche Conformation by Reversible Radical Association. <b>2018</b> , 57, 9023-9027		25
623	Probing the dynamic and rehealing behavior of crosslinked polyester networks containing thermoreversible thiol-Michael bonds. <b>2018</b> , 145, 286-293		6
622	A Recent Perspective on Noncovalently Formed Polymeric Hydrogels. 2018, 18, 1517-1529		17
621	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <b>2018</b> , 57, 8984-8988		34
620	Makroskopische kristalline 2D-Polymere. <b>2018</b> , 130, 13942-13959		15
619	Formation of a Macrocycles-in-a-Macrocycle Superstructure with All-gauche Conformation by Reversible Radical Association. <b>2018</b> , 130, 9161-9165		10
618	Towards Macroscopic Crystalline 2D Polymers. <b>2018</b> , 57, 13748-13763		77
617	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <b>2018</b> , 130, 9122-9126		1
616	Linker-Directed Assembly of Twisted ortho-Phenylene-Based Macrocycles. <b>2018</b> , 20, 3327-3331		8
615	Sterically Crowded Trianglimines-Synthesis, Structure, Solid-State Self-Assembly, and Unexpected Chiroptical Properties. <b>2018</b> , 13, 2691-2699		8
614	"Tag and Modify" Protein Conjugation with Dynamic Covalent Chemistry. 2018, 29, 2665-2670		25
613	Post-Assembly Reactivity of N-Aryl Iminoboronates: Reversible Radical Coupling and Unusual B-N Dynamic Covalent Chemistry. <b>2018</b> , 24, 12000-12005		4
612	Covalently Cross-Linked Elastomers with Self-Healing and Malleable Abilities Enabled by Boronic Ester Bonds. <b>2018</b> , 10, 24224-24231		151
611	Vesicle formation by cholesterol based hydrazone tethered amphiphiles: Stimuli responsive dissipation of self-assembly. <b>2018</b> , 530, 67-77		8

610	Smart low molecular weight hydrogels with dynamic covalent skeletons. <b>2018</b> , 14, 6678-6683	9
609	Exploiting Coupling of Boronic Acids with Triols for a pH-Dependent "Click-Declick" Chemistry. <b>2018</b> , 83, 9756-9773	10
608	Preparation of self-healing, recyclable epoxy resins and low-electrical resistance composites based on double-disulfide bond exchange. <b>2018</b> , 167, 79-85	81
607	Dynamic Proteoids Generated From Dipeptide-Based Monomers. <b>2018</b> , 39, e1800099	1
606	Covalent Organic Frameworks: From Materials Design to Biomedical Application. 2017, 8,	88
605	A Self-Healable High Glass Transition Temperature Bioepoxy Material Based on Vitrimer Chemistry. <b>2018</b> , 51, 5577-5585	135
604	Polysiloxane-based two-photon fluorescent elastomers with superior mechanical and self-healing properties and their application in bioimaging. <b>2018</b> , 42, 14281-14289	12
603	Dynamic diselenide-containing polyesters from alcoholysis/oxidation of Ebutyroselenolactone. <b>2018</b> , 9, 4044-4051	17
602	Recyclable, Strong, and Highly Malleable Thermosets Based on Boroxine Networks. <b>2018</b> , 140, 6217-6220	175
601	A Degradable and Recyclable Photothermal Conversion Polymer. <b>2018</b> , 24, 9769-9772	14
600	Reprocessable thermosets for sustainable three-dimensional printing. <b>2018</b> , 9, 1831	164
599	Covalent Organic Frameworks Constructed from Flexible Building Blocks with High Adsorption Capacity for Pollutants. <b>2018</b> , 1, 4756-4761	49
598	Enabling shape memory and healable effects in a conjugated polymer by incorporating siloxane via dynamic imine bond. <b>2018</b> , 54, 10092-10095	18
597	Functional Supramolecular Architectures of Dipyrrin Complexes. <b>2018</b> , 6, 349	40
596	Three Switchable Orthogonal Dynamic Covalent Reactions and Complex Networks Based on the Control of Dual Reactivity. <b>2018</b> , 83, 9858-9869	14
595	Tuning thermoresponsive network materials through macromolecular architecture and dynamic thiol-Michael chemistry. <b>2018</b> , 9, 4744-4756	27
594	A Strategy to Synthesize Molecular Knots and Links Using the Hydrophobic Effect. <b>2018</b> , 140, 12442-12450	54
593	A user's guide to the thiol-thioester exchange in organic media: scope, limitations, and applications in material science. <b>2018</b> , 9, 4523-4534	55

592	Effects of bond exchange reactions and relaxation of polymer chains on the thermomechanical behaviors of covalent adaptable network polymers. <b>2018</b> , 153, 43-51	20
591	Solubility Modulation of Polyfluorene Emitters by Thermally Induced (Retro)-DielsAlder Cross-Linking of Cyclopentadienyl Substituents. <b>2018</b> , 30, 4157-4167	5
590	Catalytic Cleavage and Reformation of Ethereal Bonds. 2018, 47, 927-930	6
589	Existing Self-Replicators Can Direct the Emergence of New Ones. <b>2018</b> , 24, 11911-11915	9
588	Tunable Orthogonal Reversible Covalent (TORC) Bonds: Dynamic Chemical Control over Molecular Assembly. <b>2019</b> , 58, 74-85	58
587	Einstellbare orthogonale reversible kovalente Bindungen: dynamische Kontrolle <b>B</b> er die molekulare Selbstorganisation. <b>2019</b> , 131, 76-88	18
586	Organic nanocages: a promising testbed for catalytic CO2 conversion. <b>2019</b> , 3, 2567-2571	10
585	Phenylboronic Acid-Dopamine Dynamic Covalent Bond Involved Dual-Responsive Polymeric Complex: Construction and Anticancer Investigation. <b>2019</b> , 35, 11850-11858	8
584	Hydrogel Paint. <b>2019</b> , 31, e1903062	64
583	Strong, detachable, and self-healing dynamic crosslinked hot melt polyurethane adhesive. <b>2019</b> , 3, 1833-1839	38
583 582	Strong, detachable, and self-healing dynamic crosslinked hot melt polyurethane adhesive. <b>2019</b> , 3, 1833-1839.  Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to supramolecules. <b>2019</b> , 55, 9861-9864	10
	Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to	
582	Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to supramolecules. <b>2019</b> , 55, 9861-9864  Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional	10
582 581	Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to supramolecules. <b>2019</b> , 55, 9861-9864  Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional Dynamic Networks of Imine Ligands in Response to Metal Cation Effectors. <b>2019</b> , 141, 12724-12737	10
582 581 580	Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to supramolecules. 2019, 55, 9861-9864  Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional Dynamic Networks of Imine Ligands in Response to Metal Cation Effectors. 2019, 141, 12724-12737  Microwave-assisted synthesis of porous organic cages CC3 and CC2. 2019, 21, 4534-4537	10 19 13
582 581 580	Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to supramolecules. 2019, 55, 9861-9864  Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional Dynamic Networks of Imine Ligands in Response to Metal Cation Effectors. 2019, 141, 12724-12737  Microwave-assisted synthesis of porous organic cages CC3 and CC2. 2019, 21, 4534-4537  Tetrahedron. 2019, 37, 834-842  Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential	10 19 13
582 581 580 579	Chirality transfer based on dynamic covalent chemistry: from small chiral molecules to supramolecules. 2019, 55, 9861-9864  Pattern Generation and Information Transfer through a Liquid/Liquid Interface in 3D Constitutional Dynamic Networks of Imine Ligands in Response to Metal Cation Effectors. 2019, 141, 12724-12737  Microwave-assisted synthesis of porous organic cages CC3 and CC2. 2019, 21, 4534-4537  Tetrahedron. 2019, 37, 834-842  Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. 2019, 58, 18011-18016  Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential	10 19 13 3

574	Hypervalent Iodine Based Reversible Covalent Bond in Rotaxane Synthesis. <b>2019</b> , 58, 18182-18185	12
573	Cell-Penetrating Dynamic-Covalent Benzopolysulfane Networks. <b>2019</b> , 131, 9622-9626	6
572	Tuning Surface Chemoresistivity of Au Ultrathin Films Using Metal Deposition via Surface-Limited Redox Replacement of the Underpotentially Deposited Pb Monolayer. <b>2019</b> , 4, 2442-2449	4
571	Design, Synthesis, and Spectroscopic Study of 7-Azaindolyl Hydrazones with Anti-Breast Cancer Activity. <b>2019</b> , 92, 1-9	4
570	Rapid Fabrication of Malleable Fiber Reinforced Composites with Vitrimer Powder. <b>2019</b> , 1, 2535-2542	19
569	Programmable dynamic steady states in ATP-driven nonequilibrium DNA systems. <b>2019</b> , 5, eaaw0590	77
568	Self-templated synthesis of an orthoformate in,in-cryptand and its bridgehead inversion by dynamic covalent exchange. <b>2019</b> , 55, 11434-11437	7
567	Dynamic covalent bonds: approaches from stable radical species. <b>2019</b> , 3, 2270-2282	26
566	pH-induced Crosslinking of Rice Starch via Schiff Base Formation. <b>2019</b> , 27, 1193-1199	2
565	Dynamic Covalent Switches and Communicating Networks for Tunable Multicolor Luminescent Systems and Vapor-Responsive Materials. <b>2019</b> , 141, 16344-16353	24
564	Dynamic polyimine macrobicyclic cryptands - self-sorting with component selection. <b>2019</b> , 10, 1836-1843	41
563	Two Synthetic Replicators Compete To Process a Dynamic Reagent Pool. <b>2019</b> , 141, 3059-3072	15
562	Dynamic freedom: substrate stress relaxation stimulates cell responses. <b>2019</b> , 7, 836-842	34
561	A robust and stretchable cross-linked rubber network with recyclable and self-healable capabilities based on dynamic covalent bonds. <b>2019</b> , 7, 4922-4933	121
560	1,2-Dihydro-1-hydroxy-2,3,1-benzodiazaborine Bearing an Acridine Moiety as a Circular Dichroism Probe for Determination of Absolute Configuration of Mono-Alcohols. <b>2019</b> , 25, 3790-3794	8
559	Integrating Sacrificial Bonds into Dynamic Covalent Networks toward Mechanically Robust and Malleable Elastomers. <b>2019</b> , 8, 193-199	98
558	Supramolecular Gel Based on Crown-Ether-Appended Dynamic Covalent Macrocycles. <b>2019</b> , 40, e1800731	7
557	Growing Prospects of Dynamic Covalent Chemistry in Delivery Applications. <b>2019</b> , 52, 510-519	98

556	Solvent-assisted synthesis of a shape-persistent chiral polyaza gigantocycle characterized by a very large internal cavity and extraordinarily high amplitude of the ECD exciton couplet. <b>2019</b> , 55, 2301-2304	3
555	Glycerol Induced Catalyst-Free Curing of Epoxy and Vitrimer Preparation. <b>2019</b> , 40, e1800889	56
554	The canonical behavior of the entropic component of thermodynamic effective molarity. An attempt at unifying covalent and noncovalent cyclizations. <b>2019</b> , 21, 955-987	18
553	Network reorganization in cross-linked polymer/silica composites based on exchangeable dynamic covalent carbonBarbon bonds. <b>2019</b> , 177, 10-18	7
552	Regulation of Axial Chirality through Dynamic Covalent Bond Constrained Biaryls. <b>2019</b> , 4, 10273-10278	4
551	Dynamic covalent urea bonds and their potential for development of self-healing polymer materials. <b>2019</b> , 7, 15933-15943	56
550	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. <b>2019</b> , 62, 933-967	186
549	On the macrocyclization selectivity of meta-substituted diamines and dialdehydes: towards macrocycles with tunable functional peripheries. <b>2019</b> , 95, 119-134	
548	Cell-Penetrating Dynamic-Covalent Benzopolysulfane Networks. <b>2019</b> , 58, 9522-9526	27
547	Post-synthetic modification of covalent organic frameworks. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 3903-39,455	232
546	Self-Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering?. <b>2019</b> , 6, 1801664	160
545	Aromatic amine-terminated polysulfide oligomer: Synthesis and application in self-healable polyurea. <b>2019</b> , 57, 1460-1466	5
544	Ammonium Complexes of Orthoester Cryptands Are Inherently Dynamic and Adaptive. <b>2019</b> , 141, 8868-8876	12
543	Molecular Technology for One- and Two-Dimensional Materials on Surfaces. <b>2019</b> , 305-341	
542	Mechanically Robust, Self-Healable, and Reprocessable Elastomers Enabled by Dynamic Dual Cross-Links. <b>2019</b> , 52, 3805-3812	119
541	Interplay between n-B Interactions and Dynamic Covalent Bonds: Quantification and Modulation by Solvent Effects. <b>2019</b> , 141, 8825-8833	15
540	QCM sensing of multivalent interactions between lectins and well-defined glycosylated nanoplatforms. <b>2019</b> , 139, 111328	9
539	Self-assembly of a "cationic-cage" via the formation of Ag-carbene bonds followed by imine condensation. <b>2019</b> , 55, 6711-6714	10

538	Biomimetic Water-Responsive Self-Healing Epoxy with Tunable Properties. 2019, 11, 17853-17862	28
537	A pillar[5]arene with an amino-terminated arm stabilizes the formation of aliphatic hemiaminals and imines. <b>2019</b> , 55, 5736-5739	10
536	Insight into the Transimination Process in the Fabrication of Surface Schiff-Based Covalent Organic Frameworks. <b>2019</b> , 35, 6333-6339	12
535	SupraCells: Living Mammalian Cells Protected within Functional Modular Nanoparticle-Based Exoskeletons. <b>2019</b> , 31, e1900545	56
534	Silane catecholates: versatile tools for self-assembled dynamic covalent bond chemistry. <b>2019</b> , 55, 6066-6069	9
533	Functional fluorinated polymer materials and preliminary self-healing behavior. <b>2019</b> , 10, 1993-1997	14
532	Diselenide Bonds as an Alternative to Outperform the Efficiency of Disulfides in Self-Healing Materials. <b>2019</b> , 84, 4200-4210	22
531	Porous Aromatic Frameworks as a Platform for Multifunctional Applications. <b>2019</b> , 5, 409-418	98
530	A crosslinking strategy to make neutral polysaccharide nanofibers robust and biocompatible: With konjac glucomannan as an example. <b>2019</b> , 215, 130-136	27
529	Supramolecular concepts and approaches in corrosion and biofouling prevention. <b>2019</b> , 37, 187-230	23
528	Dynamic Interpenetrating Polymer Network (IPN) Strategy for Multiresponsive Hierarchical Pattern of Reversible Wrinkle. <b>2019</b> , 11, 15977-15985	17
527	Using Synergistic Multiple Dynamic Bonds to Construct Polymers with Engineered Properties. <b>2019</b> , 40, e1900038	45
526	A strategy combining quantitative reactions and reversible-covalent chemistry for sequential synthesis of sequence-controlled polymers with different sequences. <b>2019</b> , 172, 294-304	1
525	Mechanochemistry of supramolecules. <b>2019</b> , 15, 881-900	27
524	Dynamic covalent hexahydrotriazine breakdown through nucleophilic attack by phosphine. <b>2019</b> , 9, 644-649	0
523	Lattice Expansion and Contraction in Metal-Organic Frameworks by Sequential Linker Reinstallation. <b>2019</b> , 1, 156-167	45
522	Gold nanorods as a high-pressure sensor of phase transitions and refractive-index gauge. <b>2019</b> , 11, 8718-8726	22
521	Dynamic Covalent Bonds in Polymeric Materials. <b>2019</b> , 131, 9784-9797	37

520	Emergence of Compartments Formed from Unconventional Surfactants in Dynamic Combinatorial Libraries. <b>2019</b> , 35, 5787-5792	1
519	Recyclable 3D Printing of Polyimine-Based Covalent Adaptable Network Polymers. <b>2019</b> , 6, 31-39	23
518	Dynamic Covalent Bonds in Polymeric Materials. <b>2019</b> , 58, 9682-9695	300
517	One-Step Construction of the Shape Persistent, Chiral But Symmetrical Polyimine Macrocycles. <b>2019</b> , 19, 213-237	10
516	Organic Imine Cages: Molecular Marriage and Applications. <b>2019</b> , 131, 8732-8745	31
515	Organic Imine Cages: Molecular Marriage and Applications. <b>2019</b> , 58, 8640-8653	74
514	Visible-light-induced metathesis reaction between diselenide and ditelluride. <b>2019</b> , 55, 2813-2816	27
513	Conductive Recyclable Organogel Composites. <b>2019</b> , 304, 1800583	3
512	Functional Econjugated Two-Dimensional Covalent Organic Frameworks. 2019, 11, 11029-11060	74
511	A fully bio-based polyimine vitrimer derived from fructose. <b>2019</b> , 21, 1596-1601	104
510	Sustainable, Naringenin-Based Thermosets Show Reversible Macroscopic Shape Changes and Enable Modular Recycling. <b>2019</b> , 8, 239-244	18
509	Prospect for Supramolecular Chemistry in High-Energy-Density Rechargeable Batteries. <b>2019</b> , 3, 662-682	42
508	Chemomechanics of dual-stage reprocessable thermosets. <b>2019</b> , 126, 168-186	13
507	Revisiting Acetoacetyl Chemistry to Build Malleable Cross-Linked Polymer Networks via Transamidation. <b>2019</b> , 8, 233-238	23
506	Network Analysis of Substituted Bullvalenes. <b>2019</b> , 21, 9574-9578	8
505	Dual-dynamic interpenetrated networks tuned through macromolecular architecture. <b>2019</b> , 10, 6290-6304	23
504	A shear-thinning adhesive hydrogel reinforced by photo-initiated crosslinking as a fit-to-shape tissue sealant. <b>2019</b> , 7, 6488-6499	19
503	Supramolecular and dynamic covalent hydrogel scaffolds: from gelation chemistry to enhanced cell retention and cartilage regeneration. <b>2019</b> , 7, 6705-6736	34

502	Uniaxial Stretching-Induced Alignment of Carbon Nanotubes in Cross-Linked Elastomer Enabled by Dynamic Cross-Link Reshuffling. <b>2019</b> , 8, 1575-1581	21
501	Effect of Molecular Structure in the Chain Mobility of Dichalcogenide-Based Polymers with Self-Healing Capacity. <b>2019</b> , 11,	9
500	Malleable and Recyclable Thermosets: The Next Generation of Plastics. <b>2019</b> , 1, 1456-1493	81
499	Dynamic covalent chemistry in polymer networks: a mechanistic perspective. <b>2019</b> , 10, 6091-6108	190
498	Compatibility driven self-strengthening during the radical-responsive remolding process of poly-isoprene vitrimers. <b>2019</b> , 7, 25324-25332	14
497	Biomimetic design of elastomeric vitrimers with unparalleled mechanical properties, improved creep resistance and retained malleability by metal gand coordination. <b>2019</b> , 7, 26867-26876	40
496	Recent Advances on Self-Healing Materials and Batteries. <b>2019</b> , 6, 1605-1622	31
495	Building Covalent Molecular Capsules by Thiol-Michael Addition Click Reaction. <b>2019</b> , 84, 840-850	4
494	Biologically Inspired and Chemically Derived Methods for Glucose-Responsive Insulin Therapy. <b>2019</b> , 8, e1801466	35
493	Disassociation and Reformation Under Strain in Polymer with Dynamic Metalligand Coordination Cross-Linking. <b>2019</b> , 52, 660-668	29
492	Self-Healing Supramolecular Hydrogels for Tissue Engineering Applications. <b>2019</b> , 19, e1800313	108
491	Covalent Organic Frameworks: Chemistry beyond the Structure. <b>2019</b> , 141, 1807-1822	519
490	Hindered Urea Bond: A Bilaterally Responsive Chemistry to Hydrogen Peroxide. 2019, 2019, 728-731	5
489	Investigation of Secondary Amine-Derived Aminal Bond Exchange toward the Development of Covalent Adaptable Networks. <b>2019</b> , 52, 495-503	29
488	Nanosized Bispyrazole-Based Cryptand-Stabilized Palladium(0) Nanoparticles: A Reusable Heterogeneous Catalyst for the Suzuki-Miyaura Coupling Reaction in Water. <b>2019</b> , 58, 1003-1006	17
487	Thermally healable PTMG-based polyurethane elastomer with robust mechanical properties and high healing efficiency. <b>2019</b> , 28, 015008	8
486	Nonconjugated Hydrocarbons as Rigid-Linear Motifs: Isosteres for Material Sciences and Bioorganic and Medicinal Chemistry. <b>2019</b> , 25, 4590-4647	95
485	Metal-salen molecular cages as efficient and recyclable heterogeneous catalysts for cycloaddition of CO with epoxides under ambient conditions. <b>2019</b> , 10, 1549-1554	59

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484	A Closed Metallomolecular Cage that can Open its Aperture by Disulfide Exchange. <b>2019</b> , 25, 1432-1435	10
483	Synthesis of Macrocycles Derived from Substituted Triazines. <b>2019</b> , 20, 241-246	4
482	Hydrogel Adhesion: A Supramolecular Synergy of Chemistry, Topology, and Mechanics. <b>2020</b> , 30, 1901693	255
481	Self-healing stimuli-responsive cellulose nanocrystal hydrogels. <b>2020</b> , 229, 115486	34
480	A Review on the Potential and Limitations of Recyclable Thermosets for Structural Applications. <b>2020</b> , 60, 359-388	81
479	Polymernetzwerke: Von Kunststoffen und Gelen zu porßen Gerßten. <b>2020</b> , 132, 5054-5085	9
478	Polymer Networks: From Plastics and Gels to Porous Frameworks. <b>2020</b> , 59, 5022-5049	96
477	A fluorescent platinum(II) metallacycle-cored supramolecular network formed by dynamic covalent bonds and its application in halogen ions and picric acid detection. <b>2020</b> , 11, 254-258	18
476	Degradation Pathway of Ozone Oxidation of Phenols and Chlorophenols as Followed by LC-MS-TOF. <b>2020</b> , 42, 294-318	6
475	Impact of Dynamic Bond Concentration on the Viscoelastic and Mechanical Properties of Dynamic Poly(alkylurea-co-urethane) Networks. <b>2020</b> , 221, 1900440	20
474	Physical hydrogels based on natural polymers. <b>2020</b> , 51-89	5
473	Axial chirality inversion at a spiro carbon leads to efficient synthesis of polyimine macrocycle. <b>2020</b> , 1202, 127336	2
472	Dynamic Covalent Kinetic Resolution. <b>2020</b> , 62, 66-95	9
471	Directly printing of upconversion fluorescence-responsive elastomers for self-healable optical application. <b>2020</b> , 384, 123375	16
470	Tuning the mechanical and dynamic properties of imine bond crosslinked elastomeric vitrimers by manipulating the crosslinking degree. <b>2020</b> , 11, 1348-1355	48
469	Hydrazone chemistry assisted DNAzyme for the analysis of double targets. <b>2020</b> , 56, 695-698	7
468	Condensation of 1,2-dicarbonyl compounds with modified Huisgen zwitterions: synthesis of N-aryl-N-acyl hydrazones. <b>2020</b> , 18, 530-537	O
467	Dynamic Covalent Polymers for Biomedical Applications. <b>2020</b> , 4, 489-506	53

466	Making organic coatings greener: Renewable resource, solvent-free synthesis, UV curing and repairability. <b>2020</b> , 123, 109439	23
465	Development of a multivalent acetylcholinesterase inhibitor via dynamic combinatorial chemistry. <b>2020</b> , 150, 1184-1191	6
464	Noncovalent and Dynamic Covalent Chemistry Strategies for Driving Thermoresponsive Phase Transition with Multistimuli and Controlled Encapsulation/Release. <b>2020</b> , 12, 2962-2973	4
463	Multi-Stimuli-Responsive Supramolecular Polymers Based on Noncovalent and Dynamic Covalent Bonds. <b>2020</b> , 12, 2107-2115	16
462	Formation and Out-of-Equilibrium, High/Low State Switching of a Nitroaldol Dynamer in Neutral Aqueous Media. <b>2020</b> , 132, 3462-3466	1
461	Formation and Out-of-Equilibrium, High/Low State Switching of a Nitroaldol Dynamer in Neutral Aqueous Media. <b>2020</b> , 59, 3434-3438	3
460	Reconfigurable Surfaces Based on Photocontrolled Dynamic Bonds. <b>2020</b> , 30, 1907605	10
459	Quantifying Error Correction through a Rule-Based Model of Strand Escape from an []-Rung Ladder. <b>2020</b> , 142, 162-168	2
458	Design of Experiments a Method to Optimize Dynamic Disulfide Assemblies: Cages and Functionalizable Macrocycles. <b>2020</b> , 132, 1512-1516	3
457	"Design of Experiments" as a Method to Optimize Dynamic Disulfide Assemblies: Cages and Functionalizable Macrocycles. <b>2020</b> , 59, 1496-1500	8
456	A Constrained and "Inverted" [3+3] Salphen Macrocycle with an ortho-Phenylethynyl Substitution Pattern. <b>2020</b> , 26, 1683-1690	3
455	Covalent organic frameworks bearing pillar[6]arene-reduced Au nanoparticles for the catalytic reduction of nitroaromatics. <b>2020</b> , 31, 135705	7
454	Designing with Light: Advanced 2D, 3D, and 4D Materials. <b>2020</b> , 32, e1903850	81
453	Heat driven self-healing isocyanate-based crosslinked three-arm Star-shaped polyglycolide based on dynamic transesterification. <b>2020</b> , 146, 104440	5
452	The role of carboxylic acid impurity in the mechanism of the formation of aldimines in aprotic solvents. <b>2020</b> , 1191, 113053	3
451	An overview of dynamic covalent bonds in polymer material and their applications. <b>2020</b> , 141, 110094	42
450	A Degradable and Self-Healable Vitrimer Based on Non-isocyanate Polyurethane. <b>2020</b> , 8, 585569	6
449	Configurational and Constitutional Dynamics of Enamine Molecular Switches. <b>2020</b> , 26, 15654-15663	5

### (2020-2020)

448	Phase transfer of metal cations by induced dynamic carrier agents: biphasic extraction based on dynamic covalent chemistry. <b>2020</b> , 11, 11468-11477	1
447	An imine-containing epoxy vitrimer with versatile recyclability and its application in fully recyclable carbon fiber reinforced composites. <b>2020</b> , 199, 108314	36
446	Extremely Stretchable Vitrimers. <b>2020</b> , 41, e2000265	5
445	The Covalent and Coordination Co-Driven Assembly of Supramolecular Octahedral Cages with Controllable Degree of Distortion. <b>2020</b> , 142, 13356-13361	15
444	UV-thermal dual-cured polymers with degradable and anti-bacterial function. 2020, 148, 105783	3
443	Three-Way Chemoselectivity Switching through Coupled Equilibria. <b>2020</b> , 22, 5900-5904	2
442	Solvent-Responsive Radical Dimers. <b>2020</b> , 22, 6072-6076	9
441	Recyclable, Self-Healable, and Highly Malleable Poly(urethane-urea)s with Improved Thermal and Mechanical Performances. <b>2020</b> , 12, 35403-35414	23
440	Assembly of Linked Nanocrystal Colloids by Reversible Covalent Bonds. <b>2020</b> , 32, 10235-10245	13
439	Transformation between 2D covalent organic frameworks with distinct pore hierarchy via exchange of building blocks with different symmetries. <b>2020</b> , 56, 15418-15421	3
438	Dynamic covalent exchange in poly(thioether anhydrides). <b>2020</b> , 11, 7551-7561	4
437	NIR driven fast macro-damage repair and shear-free reprocessing of thermoset elastomers via dynamic covalent urea bonds. <b>2020</b> , 8, 25047-25052	10
436	Physical organic studies and dynamic covalent chemistry of picolyl heterocyclic amino aminals <b>2020</b> , 10, 40421-40427	1
435	Using Visible Light to Tune Boronic Acid-Ester Equilibria. <b>2020</b> , 142, 19969-19979	18
434	Chemoresponsive polymer systems for selective molecular recognition of organic molecules in biological systems. <b>2020</b> , 116, 32-66	5
433	Nucleation of Tiny Silver Nanoparticles by Using a Tetrafacial Organic Molecular Barrel: Potential Use in Visible-Light-Triggered Photocatalysis. <b>2020</b> , 26, 15007-15015	4
432	Kinetic and Thermodynamic Modulation of Dynamic Imine Libraries Driven by the Hexameric Resorcinarene Capsule. <b>2020</b> , 142, 14914-14923	12
431	A generic electroluminescent device for emission from infrared to ultraviolet wavelengths. <b>2020</b> , 3, 612-621	6

Characterisation of pH dependent peptide nanostructures using small angle scattering. 2020, 1537, 012014 430 Smart Polymers for Advanced Applications: A Mechanical Perspective Review. 2020, 7, 429 14 Probing the Dynamic Covalent Chemistry Behavior of Nitrogen-Centered Di- and Triurazole 428 1 Radicals. 2020, 85, 10865-10871 Catalyst-Free Metathesis of Cyclic Acetals and Spirocyclic Acetal Covalent Adaptable Networks. 15 **2020**, 9, 1143-1148 Internal catalysis for dynamic covalent chemistry applications and polymer science. Chemical 426 58.5 42 Society Reviews, 2020, 49, 8425-8438 Truncated Face-Rotating Polyhedra Constructed from Pentagonal Pentaphenylpyrrole through 425 9 Graph Theory. 2020, 142, 16223-16228 Crystallinity and stability of covalent organic frameworks. 2020, 63, 1367-1390 424 34 Inorganic nanocrystal-dynamic porous polymer assemblies with effective energy transfer for 423 4 sensitive diagnosis of urine copper. 2020, 11, 12187-12193 Dynamic Covalent Chemistry Approach toward 18-Membered PN Macrocycles and Their Nickel(II) 3 422 Complexes. 2020, 85, 14610-14618 Template-Directed Quantitative One-Pot Synthesis of Homochiral Helical Receptors Enabling 421 Enantioselective Binding. 2020, 132, 22661-22665 Thermoresponsive self-healable and recyclable polymer networks based on a dynamic quinone 420 4 methideEhiol chemistry. 2020, 11, 6157-6162 Template-Directed Quantitative One-Pot Synthesis of Homochiral Helical Receptors Enabling 6 419 Enantioselective Binding. **2020**, 59, 22475-22479 A supramolecular aggregation-based constitutional dynamic network for information processing. 418 4 **2020**, 11, 9617-9622 Multi-Stimuli-Triggered Shape Transformation of Polymeric Filaments Derived from Dynamic 417 2 Covalent Block Copolymers. 2020, 21, 4159-4168 Thermoreversible cross-linking of ethylene/propylene copolymers based on DielsAlder chemistry: 6 416 the cross-linking reaction kinetics. 2020, 11, 5851-5860 Enzyme Immobilization in Covalent Organic Frameworks: Strategies and Applications in 415 12 Biocatalysis. 2020, 85, 2051-2066 Chemically Modified Biopolymers for the Formation of Biomedical Hydrogels. 2021, 121, 10908-10949 414 52 Design, synthesis and applications of responsive macrocycles. 2020, 3, 413 9

#### (2020-2020)

412	142, 21279-21284	17
411	Heterogeneous integration of rigid, soft, and liquid materials for self-healable, recyclable, and reconfigurable wearable electronics. <b>2020</b> , 6,	54
410	Recyclable, Repairable, and Reshapable (3R) Thermoset Materials with Shape Memory Properties from Bio-Based Epoxidized Vegetable Oils <b>2020</b> , 3, 8094-8104	21
409	Highly C2/C1-Selective Covalent Organic Frameworks Substituted with Azo Groups. <b>2020</b> , 12, 51517-51522	11
408	Cavitand and Molecular Cage-Based Porous Organic Polymers. <b>2020</b> , 5, 28413-28424	15
407	Solid-Phase Peptide Capture and Release for Bulk and Single-Molecule Proteomics. <b>2020</b> , 15, 1401-1407	6
406	Metalation of Catechol-Functionalized Defective Covalent Organic Frameworks for Lewis Acid Catalysis. <b>2020</b> , 16, e2001998	19
405	Selection of DNA-Encoded Dynamic Chemical Libraries for Direct Inhibitor Discovery. <b>2020</b> , 132, 15075-15082	3
404	Selection of DNA-Encoded Dynamic Chemical Libraries for Direct Inhibitor Discovery. <b>2020</b> , 59, 14965-14972	24
403	Hydrogen-Bond Catalysis of Imine Exchange in Dynamic Covalent Systems. <b>2020</b> , 26, 15581-15588	6
402	Polymer actuators based on covalent adaptable networks. <b>2020</b> , 11, 5297-5320	21
401	Preferential Control of Forward Reaction Kinetics in Hydrogels Crosslinked with Reversible Conjugate Additions. <b>2020</b> , 53, 3738-3746	7
400	Holey Heterographenes Made to Order: <b>L</b> ireen <b>b</b> ynthesis of Porous Graphitic Frameworks. <b>2020</b> , 6, 812-814	1
399	Boronate Ester-Capped Helicates. <b>2020</b> , 26, 7578-7582	3
398	Constructing Thermally Reversible Dynamic Hydrogels via Catalysis-Free Knoevenagel Condensation. <b>2020</b> , 9, 830-835	3
397	Mechanics of transiently cross-linked nematic networks. <b>2020</b> , 141, 104021	6
396	1,8,10-Trisubstituted anthracenyl hydrocarbons: Towards versatile scaffolds for multiple-H-bonded recognition arrays. <b>2020</b> , 76, 131299	О
395	Thermal Guanidine Metathesis for Covalent Adaptable Networks. <b>2020</b> , 9, 937-943	10

394 Inducing Social Self-Sorting in Organic Cages To Tune The Shape of The Internal Cavity. **2020**, 132, 16898

393	Inducing Social Self-Sorting in Organic Cages To Tune The Shape of The Internal Cavity. <b>2020</b> , 59, 16755-16763	3 21
392	Welding and reprocessing of disulfide-containing thermoset epoxy resin exhibiting behavior reminiscent of a thermoplastic. <b>2020</b> , 137, 49541	26
391	Dynamic Covalent Formation of Concave Disulfide Macrocycles Mechanically Interlocked with Single-Walled Carbon Nanotubes. <b>2020</b> , 59, 18774-18785	10
390	Eye-Readable Dynamic Covalent Click Reaction and Its Application in Polymer Synthesis. <b>2020</b> , 53, 5434-5444	4
389	Dynamic covalent synthesis of [2]- and [3]rotaxanes both in solution and on solid supports. <b>2020</b> , 44, 11231-11236	1
388	Composite Hydrogels in Three-Dimensional Models. <b>2020</b> , 8, 611	28
387	Molecularly Imprinted Porous Aromatic Frameworks for Molecular Recognition. <b>2020</b> , 6, 1082-1094	16
386	Recent progress in dynamic covalent chemistries for liquid crystal elastomers. <b>2020</b> , 8, 6610-6623	29
385	Mechanische Verzahnung von einwandigen Kohlenstoffnanorfiren durch dynamisch-kovalente Bildung von konkaven Disulfidmakrozyklen. <b>2020</b> , 132, 18933-18945	2
384	Self-recovering dual cross-linked hydrogels based on bioorthogonal click chemistry and ionic interactions. <b>2020</b> , 8, 5912-5920	3
383	Lasing Properties Activation by Constitutional Isomerism of an Electron-Accepting Group. <b>2020</b> , 124, 13845-13857	
382	Fatigue-resistant adhesion I. Long-chain polymers as elastic dissipaters. <b>2020</b> , 39, 100813	14
381	Implantation of Recyclability and Healability into Cross-Linked Commercial Polymers by Applying the Vitrimer Concept. <b>2020</b> , 12,	28
380	A Versatile Approach to Dynamic Amide Bond Formation with Imine Nucleophiles. <b>2020</b> , 26, 5709-5716	3
379	Chemically stable covalent organic framework as adsorbent from aqueous solution: A mini-review. <b>2020</b> , 110, 79-91	5
378	Modulation of imine chemistry with intramolecular hydrogen bonding: Effects from ortho-OH to NH. <b>2020</b> , 76, 131128	6
377	Boronic acid and diol-containing polymers: how to choose the correct couple to form "strong" hydrogels at physiological pH. <b>2020</b> , 16, 3628-3641	12

376	Cross-linker control of vitrimer flow. <b>2020</b> , 11, 5339-5345	33
375	Materials as Machines. <b>2020</b> , 32, e1906564	118
374	Confined growth of ordered organic frameworks at an interface. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 4637-4666	39
373	Applications of Dynamic Covalent Chemistry Concept towards Tailored Covalent Organic Framework Nanomaterials: A Review. <b>2020</b> , 3, 6239-6269	40
372	Water-Mediated Spontaneously Dynamic Oxygen Migration on Graphene Oxide with Structural Adaptivity for Biomolecule Adsorption. <b>2020</b> , 37, 066803	4
371	Robust, high-barrier, and fully recyclable cellulose-based plastic replacement enabled by a dynamic imine polymer. <b>2020</b> , 8, 14082-14090	22
370	Hierarchical Dynamics in a Transient Polymer Network Cross-Linked by Orthogonal Dynamic Bonds. <b>2020</b> , 53, 5937-5949	17
369	Wide Area Reversible Adhesive for In-Space Assembly. <b>2020</b> , 305, 2000006	4
368	Dynamic network based on eugenol-derived epoxy as promising sustainable thermoset materials. <b>2020</b> , 135, 109860	20
367	n -ill interactions as a versatile tool for controlling dynamic imine chemistry in both organic and aqueous media. <b>2020</b> , 11, 2707-2715	17
366	Dynamic Bioinks to Advance Bioprinting. <b>2020</b> , 9, e1901798	73
365	Synthesis of Information-bearing Peptoids and their Sequence-directed Dynamic Covalent Self-assembly. <b>2020</b> ,	
364	Self-healing behaviour of furanthaleimide poly(ionic liquid) covalent adaptable networks. <b>2020</b> , 11, 5321-5326	5 7
363	Dynamic covalent polymer networks via combined nitroxide exchange reaction and nitroxide mediated polymerization. <b>2020</b> , 11, 2502-2510	8
362	Reprocessable Epoxy Resins Based on Hydroxy-Thioester and Thiol-Thioester Dual Exchanges. <b>2020</b> , 59, 4936-4944	1
361	Spin Delocalization, Polarization, and London Dispersion Forces Govern the Formation of Diradical Pimers. <b>2020</b> , 142, 5304-5313	11
360	Boronate Ester Bullvalenes. <b>2020</b> , 142, 3680-3685	6
359	Dynamic Covalent C?C Bond, Cross-Linked, Injectable, and Self-Healable Hydrogels via Knoevenagel Condensation. <b>2020</b> , 21, 1234-1242	8

358	Wavelength-Controlled Light-Responsive Polymer Vesicle Based on SeB Dynamic Chemistry. <b>2020</b> , 9, 163-168	15
357	Vanillin-Based Epoxy Vitrimer with High Performance and Closed-Loop Recyclability. <b>2020</b> , 53, 621-630	83
356	Covalent Organic Frameworks: Design, Synthesis, and Functions. <b>2020</b> , 120, 8814-8933	824
355	Flexibility Induced Encapsulation of Ultrafine Palladium Nanoparticles into Organic Cages for Tsuji-Trost Allylation. <b>2020</b> , 12, 8539-8546	9
354	Efficiently self-healing boronic ester crystals. <b>2020</b> , 11, 2606-2613	27
353	Enlightening Materials with Photoswitches. <b>2020</b> , 32, e1905966	142
352	Tunable Structural Color Patterns Based on the Visible-Light-Responsive Dynamic Diselenide Metathesis. <b>2020</b> , 32, e1907569	52
351	Dynamic reaction-induced phase separation in tunable, adaptive covalent networks. <b>2020</b> , 11, 5028-5036	13
350	Adaptive Covalent Networks Enabled by Dual Reactivity: The Evolution of Reversible Covalent Bonds, Their Molecular Assemblies, and Guest Recognition. <b>2020</b> , 85, 5351-5361	4
349	Synthesis of New 1,3,5-Azadiphosphorinanes Based on Aliphatic Amines. <b>2020</b> , 90, 224-228	1
348	Identification and synthesis of an efficient multivalent E. coli heat labile toxin inhibitor A dynamic combinatorial chemistry approach. <b>2020</b> , 28, 115436	4
347	Research Progress in Covalent Organic Frameworks for Photoluminescent Materials. <b>2020</b> , 26, 16568-16581	16
346	Strategies for Exploring Functions from Dynamic Combinatorial Libraries. <b>2020</b> , 2, e2000019	5
345	Three-dimensional organic cage with narrowband delayed fluorescence. <b>2020</b> , 63, 897-903	4
344	Malleable and Recyclable Conductive MWCNT-Vitrimer Composite for Flexible Electronics. <b>2020</b> , 3, 4845-4850	15
343	Pyrene-containing dyes: Reversible click/declick reaction, optical and aggregation behaviors. <b>2020</b> , 179, 108375	2
342	Polymer photocatalysts for solar-to-chemical energy conversion. <b>2021</b> , 6, 168-190	116
341	Microdroplets confined assembly of opal composites in dynamic borate ester-based networks. <b>2021</b> , 426, 127581	3

340	Dynamic dye emission ON/OFF systems by a furan moiety exchange protocol. <b>2021</b> , 184, 108652	4
339	A rational entry to cyclic polymers via spontaneous and selective cyclization reactions. <b>2021</b> , 53, 257-269	3
338	Molecular Cages Self-Assembled by Imine Condensation in Water. <b>2021</b> , 60, 4705-4711	25
337	The dynamic covalent reaction based on diselenide-containing crown ether irradiated by visible light. <b>2021</b> , 32, 2005-2008	O
336	Post-synthetic Modification of Covalent Organic Frameworks through in situ Polymerization of Aniline for Enhanced Capacitive Energy Storage. <b>2021</b> , 16, 158-164	6
335	Cell-Selective siRNA Delivery Using Glycosylated Dynamic Covalent Polymers Self-Assembled In Situ by RNA Templating. <b>2021</b> , 60, 5783-5787	4
334	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. <b>2021</b> , 133, 6647-6654	1
333	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. <b>2021</b> , 60, 6573-6580	4
332	Visible-light-induced scission and rapid healing of polyurethane elastomers based on photoswitchable hexaarylbiimidazole units. <b>2021</b> , 5, 1364-1372	2
331	Boronic acid based dynamic click chemistry: recent advances and emergent applications. <b>2020</b> , 12, 1585-1599	11
331	Boronic acid based dynamic click chemistry: recent advances and emergent applications. <b>2020</b> , 12, 1585-1599  The nonequilibrium behaviors of covalent adaptable network polymers during the topology transition. <b>2021</b> , 17, 2104-2119	8
	The nonequilibrium behaviors of covalent adaptable network polymers during the topology	
330	The nonequilibrium behaviors of covalent adaptable network polymers during the topology transition. <b>2021</b> , 17, 2104-2119	8
330	The nonequilibrium behaviors of covalent adaptable network polymers during the topology transition. <b>2021</b> , 17, 2104-2119  Molecular Cages Self-Assembled by Imine Condensation in Water. <b>2021</b> , 133, 4755-4761	8
330 329 328	The nonequilibrium behaviors of covalent adaptable network polymers during the topology transition. 2021, 17, 2104-2119  Molecular Cages Self-Assembled by Imine Condensation in Water. 2021, 133, 4755-4761  The bright and the dark side of the sphere: light-stabilized microparticles. 2021, 12, 449-457	8 14 2
330 329 328 327	The nonequilibrium behaviors of covalent adaptable network polymers during the topology transition. 2021, 17, 2104-2119  Molecular Cages Self-Assembled by Imine Condensation in Water. 2021, 133, 4755-4761  The bright and the dark side of the sphere: light-stabilized microparticles. 2021, 12, 449-457  Molecular self-assembled chemosensors and their arrays. 2021, 429, 213607  Cell-Selective siRNA Delivery Using Glycosylated Dynamic Covalent Polymers Self-Assembled	8 14 2
330 329 328 327 326	The nonequilibrium behaviors of covalent adaptable network polymers during the topology transition. 2021, 17, 2104-2119  Molecular Cages Self-Assembled by Imine Condensation in Water. 2021, 133, 4755-4761  The bright and the dark side of the sphere: light-stabilized microparticles. 2021, 12, 449-457  Molecular self-assembled chemosensors and their arrays. 2021, 429, 213607  Cell-Selective siRNA Delivery Using Glycosylated Dynamic Covalent Polymers Self-Assembled In Situ by RNA Templating. 2021, 133, 5847-5851	8 14 2 18

322	Enforcing trustworthy cloud SLA with witnesses: A game theoryBased model using smart contracts. <b>2021</b> , 33, e5511	7
321	Reversible additionfragmentation chain transfer polymerization of myrcene derivatives: an efficient access to fully bio-sourced functional elastomers with recyclable, shape memory and self-healing properties. <b>2021</b> , 12, 3677-3687	4
320	Cobalt catalysed controlled copolymerization: an efficient approach to bifunctional polyisoprene with enhanced properties. <b>2021</b> , 12, 1653-1660	6
319	Dynamic Covalent Polymer Networks: A Molecular Platform for Designing Functions beyond Chemical Recycling and Self-Healing. <b>2021</b> , 121, 1716-1745	152
318	Post-synthetic modification of porous organic cages. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 8874-8886 58.5	20
317	The effect of polarity on the molecular exchange dynamics in imine-based covalent adaptable networks. <b>2021</b> , 12, 1635-1642	11
316	Superphane: a new lantern-like receptor for encapsulation of a water dimer. 2021, 57, 4496-4499	3
315	Dynamic covalent bond constrained ureas for multimode fluorescence switching, thermally induced emission, and chemical signaling cascades. <b>2021</b> , 8, 3760-3769	2
314	Luminescence switch based on the acid/base induced reversibility of covalent bonds in lanthanide(III) complexes. <b>2021</b> , 57, 10939-10942	
313	Truxene-based covalent organic polyhedrons constructed through alkyne metathesis. <b>2021</b> , 8, 4723-4729	3
312	Fast and Reversible Cross-Linking Reactions of Thermoresponsive Polymers Based on Dynamic Dialkylaminodisulfide Exchange. <b>2021</b> , 3, 888-895	4
311	Tuning the exchange dynamics of boronic acid hydrazones and oximes with pH and redox control. <b>2021</b> , 19, 4986-4991	2
310	Folding-controlled assembly of -phenylene-based macrocycles. <b>2021</b> , 12, 6992-7002	3
309	A cylinder-shaped macrocycle formed Friedel-Crafts reaction. <b>2021</b> , 57, 4440-4443	2
308	By-design molecular architectures alkyne metathesis. <b>2021</b> , 12, 9591-9606	12
307	Mechanically Robust and Recyclable Styrene <b>B</b> utadiene Rubber Cross-Linked via Cu2+ <b>N</b> itrogen Coordination Bond after a Tetrazine Click Reaction. <b>2021</b> , 60, 2163-2177	2
306	Self-assembly of chiral BINOL cages imine condensation. <b>2021</b> , 57, 9088-9091	2
305	Spontaneous macrocyclization through multiple dynamic cyclic aminal formation. <b>2021</b> , 57, 1190-1193	2

304	Colloidal Nanocrystal Gels from Thermodynamic Principles. <b>2021</b> , 54, 798-807	12
303	Effects of linker flexibility on phase behavior and structure of linked colloidal gels. <b>2021</b> , 154, 074901	7
302	C3h-symmetric and Cs-symmetric Triformyl Triindolo-Truxenes: Synthesis and Properties. 2021, 10, 660-667	
301	Dynamic Covalent Properties of a Novel Indolo[3,2-b]carbazole Diradical. 2021, 27, 5509-5520	6
300	Reversible and Stable Hemiaminal Hydrogels from Polyvinylamine and Highly Reactive and Selective Bis(-acylpiperidone)s <b>2021</b> , 10, 389-394	1
299	Olive-Shaped Organic Cages: Synthesis and Remarkable Promotion of Hydrazone Condensation through Encapsulation in Water. <b>2021</b> , 86, 3943-3951	2
298	Reprocessable Thermosets[ISynthesis and Characterization of Vitrimer in the Undergraduate Lab Course. 2021, 98, 1429-1435	1
297	Study on UV/sunlight curable self-healing topological polysulfide polymer network based on disulfide exchange. <b>2021</b> , 32, 2252-2261	1
296	Bioink Formulations for Bone Tissue Regeneration. <b>2021</b> , 9, 630488	9
295	Printable, Down/Up-Conversion Triple-Mode Fluorescence Responsive and Colorless Self-Healing Elastomers with Superior Toughness. <b>2021</b> , 31, 2100211	15
294	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. <b>2021</b> , 60, 14236-14250	26
293	Supramolecular Polymers, Based on the Hostuuest Chemistry of Pillarenes. <b>2021</b> , 387-413	
292	Simple preparation, properties, and functions of vitrimer-like polyacrylate elastomers using trans-N-alkylation bond exchange.	4
291	A Self-Assembled Homochiral Radical Cage with Paramagnetic Behaviors. <b>2021</b> , 133, 9940-9946	2
290	Chiral Self-sorting of Giant Cubic [8+12] Salicylimine Cage Compounds. <b>2021</b> , 60, 8896-8904	25
289	Injectable Self-Healing Hydrogel Wound Dressing with Cysteine-Specific On-Demand Dissolution Property Based on Tandem Dynamic Covalent Bonds. <b>2021</b> , 31, 2011230	31
288	Chiral Self-sorting of Giant Cubic [8+12] Salicylimine Cage Compounds. 2021, 133, 8978-8986	8
287	Endohedral Hydrogen Bonding Templates the Formation of a Highly Strained Covalent Organic Cage Compound*. <b>2021</b> , 27, 6077-6085	9

286	Click Nucleophilic Conjugate Additions to Activated Alkynes: Exploring Thiol-yne, Amino-yne, and Hydroxyl-yne Reactions from (Bio)Organic to Polymer Chemistry. <b>2021</b> , 121, 6744-6776	23
285	Versatile functionalization of polymeric soft materials by implanting various types of dynamic cross-links.	1
284	A Self-Assembled Homochiral Radical Cage with Paramagnetic Behaviors. <b>2021</b> , 60, 9852-9858	9
283	Designing Dynamic Materials from Dynamic Bonds to Macromolecular Architecture. <b>2021</b> , 3, 231-247	18
282	S-Carboxyanhydrides: Ultrafast and Selective Ring-Opening Polymerizations Towards Well-defined Functionalized Polythioesters. <b>2021</b> , 133, 10893-10900	5
281	S-Carboxyanhydrides: Ultrafast and Selective Ring-Opening Polymerizations Towards Well-defined Functionalized Polythioesters. <b>2021</b> , 60, 10798-10805	11
280	Activated Self-Resolution and Error-Correction in Catalytic Reaction Networks*. <b>2021</b> , 27, 10335-10340	O
279	Metal Cation-Driven Dynamic Covalent Formation of Imine and Hydrazone Ligands Displaying Synergistic Co-catalysis and Auxiliary Amine Effects. <b>2021</b> , 27, 7516-7524	2
278	Processing and reprocessing liquid crystal elastomer actuators. <b>2021</b> , 129, 130901	13
277	Thermally recyclable polyester-based phase change materials networks with high latent heat and network self-stability even at high temperature. <b>2021</b> , 36, 102364	4
276	Highly Efficient Preparation of Single-Layer Two-Dimensional Polymer Obtained from Single-Crystal to Single-Crystal Synthesis. <b>2021</b> , 143, 5636-5642	13
275	Illustration of a computational pipeline for evaluating cyclodextrin host-guest complex formation through conformational capture of bullvalene. <b>2021</b> , 154, 154105	1
274	Dynamic Combinatorial Chemistry Out of Equilibrium. <b>2021</b> , 215-239	
273	Designing Hydrogels for 3D Cell Culture Using Dynamic Covalent Crosslinking. <b>2021</b> , 10, e2100234	20
272	DNA-Scaffolded Disulfide Redox Network for Programming Drug-Delivery Kinetics. <b>2021</b> , 27, 8745-8752	3
271	A typical 2D covalent organic polymer as multifunctional sensor and assemble a WLED. <b>2021</b> , 297, 122101	O
270	Isoreticular Crystallization of Highly Porous Cubic Covalent Organic Cage Compounds*. <b>2021</b> , 60, 17455-1746	i <b>3</b> 9
269	Detecting and Monitoring Hydrogels with Medical Imaging. <b>2021</b> , 7, 4027-4047	3

268	Squeezing Out the Catalysts: A Sustainable Approach to Disulfide Bond Exchange in Aryl Disulfides. <b>2021</b> , 9, 7171-7178	2
267	Isoretikulībe Kristallisation von hochporßen kubischen kovalentorganischen Kfligverbindungen**. <b>2021</b> , 133, 17595-17604	1
266	Toughening, recyclable and healable nitrile rubber based on multi-coordination crosslink networks after Eetrazine click[reaction. <b>2021</b> , 150, 110415	3
265	Indicator Displacement Assay-based Chemosensor Arrays for Saccharides using Off-the-shelf Materials toward Simultaneous On-site Detection on Paper. <b>2021</b> , 50, 987-995	1
264	Aminoglycoside-Based Biomaterials: From Material Design to Antibacterial and Gene Delivery Applications. <b>2021</b> , 31, 2103718	10
263	Accelerated Discovery of Ecyanodiarylethene Photoswitches. <b>2021</b> , 143, 9162-9168	11
262	Thiol- and Disulfide-Based Stimulus-Responsive Soft Materials and Self-Assembling Systems. <b>2021</b> , 26,	7
261	A Diels-Alder polymer platform for thermally enhanced drug release toward efficient local cancer chemotherapy. <b>2021</b> , 22, 522-531	1
260	Base-Catalyzed, Solvent-Free Synthesis of Rigid V-Shaped Epoxydibenzo[,][1,5]diazocines. <b>2021</b> , 86, 8955-896	91
259	Light-Mediated Synthesis and Reprocessing of Dynamic Bottlebrush Elastomers under Ambient Conditions. <b>2021</b> , 143, 9866-9871	18
259 258		18
	Conditions. <b>2021</b> , 143, 9866-9871  Controlling the Morphology of Dynamic Thia-Michael Networks to Target Pressure-Sensitive and	
258	Conditions. <b>2021</b> , 143, 9866-9871  Controlling the Morphology of Dynamic Thia-Michael Networks to Target Pressure-Sensitive and Hot Melt Adhesives. <b>2021</b> , 13, 27471-27480	4
258 257	Conditions. 2021, 143, 9866-9871  Controlling the Morphology of Dynamic Thia-Michael Networks to Target Pressure-Sensitive and Hot Melt Adhesives. 2021, 13, 27471-27480  A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. 2021, 21, e2100079	1
258 257 256	Controlling the Morphology of Dynamic Thia-Michael Networks to Target Pressure-Sensitive and Hot Melt Adhesives. 2021, 13, 27471-27480  A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. 2021, 21, e2100079  Thermal Healing of Copolyacrylate Elastomer Based on Catalyst-Free Transketalization. 2021, 222, 2100042  Electrochemical Recognition of Aromatic Species with Ferrocenylated 1,3,5-Triazine- or	4 1 0
258 257 256 255	Controlling the Morphology of Dynamic Thia-Michael Networks to Target Pressure-Sensitive and Hot Melt Adhesives. 2021, 13, 27471-27480  A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. 2021, 21, e2100079  Thermal Healing of Copolyacrylate Elastomer Based on Catalyst-Free Transketalization. 2021, 222, 2100042  Electrochemical Recognition of Aromatic Species with Ferrocenylated 1,3,5-Triazine- or 1,3,5-Triphenylbenzene-Containing Highly Organized Molecules. 2021, 86, 820-826  Catalytic Alkyne and Diyne Metathesis with Mixed Fluoroalkoxy-Siloxy Molybdenum Alkylidyne	4 1 0
258 257 256 255 254	Conditions. 2021, 143, 9866-9871  Controlling the Morphology of Dynamic Thia-Michael Networks to Target Pressure-Sensitive and Hot Melt Adhesives. 2021, 13, 27471-27480  A Hybrid Injectable and Self-Healable Hydrogel System as 3D Cell Culture Scaffold. 2021, 21, e2100079  Thermal Healing of Copolyacrylate Elastomer Based on Catalyst-Free Transketalization. 2021, 222, 2100042  Electrochemical Recognition of Aromatic Species with Ferrocenylated 1,3,5-Triazine- or 1,3,5-Triphenylbenzene-Containing Highly Organized Molecules. 2021, 86, 820-826  Catalytic Alkyne and Diyne Metathesis with Mixed Fluoroalkoxy-Siloxy Molybdenum Alkylidyne Complexes. 2021, 40, 2008-2015	4 1 0 2 0

250	Polymers with Dynamic Bonds: Adaptive Functional Materials for a Sustainable Future. <b>2021</b> , 125, 9389-9401	12
249	Reinforced vitrimers: Thermosets that process like thermoplastics. <b>2021</b> , 65, 190-194	O
248	Synthesis of Azaylide-Based Amphiphiles by the Staudinger Reaction. <b>2021</b> , 133, 18059-18063	
247	Dynamic Nucleophilic Aromatic Substitution of Tetrazines. <b>2021</b> , 133, 18931-18939	O
246	Self-Assembly of a Purely Covalent Cage with Homochirality by Imine Formation in Water. <b>2021</b> , 60, 18815-188	8 <del>2</del> 0
245	Dynamic Nucleophilic Aromatic Substitution of Tetrazines. <b>2021</b> , 60, 18783-18791	5
244	Kinetical Study, Thermo-Mechanical Characteristics and Recyclability of Epoxidized Camelina Oil Cured with Antagonist Structure (Aliphatic/Aromatic) or Functionality (Acid/Amine) Hardeners. <b>2021</b> , 13,	3
243	Stretchable, Rehealable, Recyclable, and Reconfigurable Integrated Strain Sensor for Joint Motion and Respiration Monitoring. <b>2021</b> , 2021, 9846036	7
242	Stoichiometry alone can steer supramolecular systems on complex free energy surfaces with high selectivity. <b>2021</b> , 7, 1933-1951	О
241	Covalent organic frameworks based nanomaterials: Design, synthesis, and current status for supercapacitor applications: A review. <b>2021</b> , 39, 102618	14
240	A review on self-healing polymers for soft robotics. <b>2021</b> , 47, 187-205	32
239	Simple and General Approach for Reversible Condensation Polymerization with Cyclization. <b>2021</b> , 54, 7021-7035	1
238	Diastereoselective Amplification of a Mechanically Chiral [2]Catenane. <b>2021</b> , 143, 11957-11962	4
237	Directing Transition of Synthetic Protocell Models via Physicochemical Cues-Triggered Interfacial Dynamic Covalent Chemistry. <b>2021</b> , 8, e2101187	4
236	Synthesis of Azaylide-Based Amphiphiles by the Staudinger Reaction. <b>2021</b> , 60, 17915-17919	2
235	Subtle Modification of Imine-linked Helical Receptors to Significantly Alter their Binding Affinities and Selectivities for Chiral Guests. <b>2021</b> , 16, 2958-2966	O
234	Highly stretchable and rehealable wearable strain sensor based on dynamic covalent thermoset and liquid metal. <b>2021</b> , 30, 105001	2
233	Dynamic Catalytic Highly Enantioselective 1,3-Dipolar Cycloadditions. <b>2021</b> , 133, 20165-20173	O

Wearable Biofuel Cells: Advances from Fabrication to Application. 2103976 232 12 Selection between Competing Self-Reproducing Lipids: Succession and Dynamic Activation. 2021, 1, 1355-13611 231 Design of Stimuli-Responsive Dynamic Covalent Delivery Systems for Volatile Compounds (Part 1): 230 3 Controlled Hydrolysis of Micellar Amphiphilic Imines in Water. 2021, 27, 13457-13467 Recyclable crosslinked elastomer based on dynamic dithioacetals. 2021, 229, 124007 229 Achievement of a Highly Rapid Bond Exchange for Self-Catalyzed Polyester Vitrimers by 228 3 Incorporating Tertiary Amino Groups on the Network Strands. 2021, 3, 4424-4429 Dynamic Catalytic Highly Enantioselective 1,3-Dipolar Cycloadditions. 2021, 60, 20012-20020 227 4 pH-responsive pickering foam created from self-aggregate polymer using dynamic covalent bond. 226 1 **2021**, 597, 383-392 Self-Assembly of Stimuli-Responsive [2] Rotaxanes by Amidinium Exchange. 2021, 143, 16448-16457 225 3 A sustainable manufacturing method of thermoset composites based on covalent adaptable 224 12 network polymers. **2021**, 221, 109004 Interfacial welding and reprocessing of engineering thermosets based on surface 223 depolymerization. 2021, 26, 101368 Self-assembly of supramolecules containing half-sandwich iridium units. 2021, 445, 213909 222 O Bio-based vitrimer-like polyurethane based on dynamic imine bond with high-strength, 221 reprocessability, rapid-degradability and antibacterial ability. 2021, 233, 124208 Recent advances in recyclable thermosets and thermoset composites based on covalent adaptable 220 5 networks. 2021, 92, 75-87 A quick microwave preparation of isatin hydrazone schiff base conjugated organosilicon 219 compounds: Exploration of their antibacterial, antifungal, and antioxidative potentials. 2021, 953, 122051 NIR-triggered dynamic exchange and intrinsic photothermal-responsive covalent adaptable 6 218 networks. 2022, 428, 131212 Castor-oil-based, robust, self-healing, shape memory, and reprocessable polymers enabled by 217 11 dynamic hindered urea bonds and hydrogen bonds. 2022, 429, 131848 Engineering Segregated Structures in a Cross-Linked Elastomeric Network Enabled by Dynamic 216 7 Cross-Link Reshuffling.. 2021, 10, 231-236 Stimuli responsive dynamic transformations in supramolecular gels. Chemical Society Reviews, 2021, 58.5 215 51 50, 5165-5200

214	Polyoxoplatinates as covalently dynamic electron sponges and molecular electronics materials. <b>2021</b> , 3, 5663-5675	O	
213	Stabilization of the hindered urea bond through de-tert-butylation. <b>2021</b> , 57, 3812-3815	O	
212	Three dimensional isophlorinoid tetrapodal molecular cage. <b>2021</b> , 57, 4299-4302	1	
211	Folding fluorescent probes for self-reporting transesterification in dynamic polymer networks. <b>2021</b> , 8, 1481-1487	5	
210	Direct ink writing of recyclable and in situ repairable photothermal polyurethane for sustainable 3D printing development. <b>2021</b> , 9, 6981-6992	8	
209	Advances in applied supramolecular technologies. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 2737-2763 58.5	33	
208	Design of biodegradable and biocompatible conjugated polymers for bioelectronics.	10	
207	Macroscopic covalent organic framework architectures for water remediation.	1	
206	Tannic acidEhioctic acid hydrogel: a novel injectable supramolecular adhesive gel for wound healing. <b>2021</b> , 23, 1794-1804	19	
205	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. <b>2021</b> , 133, 14356-14370	1	
204	Two-Dimensional Polymer Synthesis by Dynamic Chemistry at the Air Water Interface. 2018, 486-498	1	
203	CHAPTER 7:Dynamic Covalent Surfactants and Amphiphiles. <b>2017</b> , 150-168	1	
202	Dynamic covalent bonds in self-healing, shape memory, and controllable stiffness hydrogels. <b>2020</b> , 11, 1410-1423	60	
201	Exploiting complexity to implement function in chemical systems. <b>2020</b> , 56, 13273-13286	5	
200	Temperature-mediated molecular ladder self-assembly employing DielsAlder cycloaddition. <b>2020</b> , 11, 7714-7720	2	
199	Natural Hydrogels Applied in Photodynamic Therapy. <b>2020</b> , 27, 2681-2703	1	
198	Dual Stimuli-Responsive Dynamic Covalent Peptide Tags: Toward Sequence-Controlled Release in Tumor-like Microenvironments. <b>2021</b> , 143, 17047-17058	7	
197	Rapid Fabrication of Fiber-Reinforced Polyimine Composites with Reprocessability, Repairability, and Recyclability.	3	

196	3D-Boronic Ester Architectures: Synthesis, Host-Guest Chemistry, Dynamic Behavior, and Supramolecular Catalysis. <b>2021</b> ,	1
195	Development of New Molecular Recognition Modules Constructed via Reversible Spiroborate Formation. <b>2015</b> , 73, 713-722	
194	Chapter 10:Beyond Thermogels IDther Forms of Noncovalently Formed Polymeric Hydrogels. <b>2018</b> , 162-182	
193	Solid-Phase Peptide Capture and Release for Bulk and Single-Molecule Proteomics.	
192	Emission-Tunable Room-Temperature Phosphorescent Polymers Based on Dynamic Reversible Supramolecule-Mediated Photocrosslinking. 2101646	4
191	Covalent-Organic Framework Composites: A Review Report on Synthesis Methods. <b>2021</b> , 6, 11201-11223	1
190	Aggregation-induced emission luminogens and tunable multicolor polymer networks modulated by dynamic covalent chemistry. <b>2021</b> ,	2
189	Dynamic covalent chemistry of imines for the development of stimuli-responsive chitosan films as carriers of sustainable antifungal volatiles. <b>2021</b> , 107326	2
188	A Data-Driven Approach to the Development and Understanding of Chiroptical Sensors for Alcohols with Remote Estereocenters. <b>2021</b> , 143, 19187-19198	3
187	Stereoselective synthesis of the RPSPSPRP isomer of 22-membered P4N2 macrocycles. <b>2020</b> , 30, 697-699	1
186	Self-healing and shape-memory epoxy thermosets based on dynamic diselenide bonds. <b>2022</b> , 170, 105121	3
185	Thermodynamics and Stereochemistry of DielsAlder Polymer Networks: Role of Crosslinker Flexibility and Crosslinking Density. <b>2021</b> , 54, 10510-10519	4
184	Multi-Network Poly(Eyclodextrin)/PVA/Gelatin/Carbon Nanotubes Composite Hydrogels Constructed by Multiple Dynamic Crosslinking as Flexible Electronic Devices. 2100724	4
183	Light-Induced Formation/Scission of C-N, C-O, and C-S Bonds Enables Switchable Stability/Degradability in Covalent Systems. <b>2021</b> , 143, 20368-20376	1
182	Tetrazine Dynamic Covalent Polymer Networks. <b>2021</b> , 54, 10428-10434	2
181	Recent advances to decrease shrinkage stress and enhance mechanical properties in free radical polymerization: a review.	2
180	Reshaping Membrane Polymorphism of Polymer Vesicles through Dynamic Gas Exchange. <b>2021</b> , 143, 20183-20191	O
179	Reshapeable, rehealable and recyclable sensor fabricated by direct ink writing of conductive composites based on covalent adaptable network polymers. <b>2022</b> , 4, 015301	5

178	Complementary Dynamic Chemistries for Multifunctional Polymeric Materials. 2108431	3
177	Catalyst-Free Synthesis of Lignin Vitrimers with Tunable Mechanical Properties: Circular Polymers and Recoverable Adhesives. <b>2021</b> , 13, 57952-57961	6
176	A Photoinduced Dual-Wavelength Approach for 3D Printing and Self-healing of Thermosetting Materials. <b>2021</b> ,	5
175	A Photoinduced Dual-Wavelength Approach for 3D Printing and Self-Healing of Thermosetting Materials.	
174	Two-Dimensional Polymers and Polymerizations. 2021,	24
173	Synthesizing Highly Crystalline Self-Standing Covalent Organic Framework Films through a Homogeneous Films through a Homogeneous Floating Concentrating Strategy for Molecular Separation.	1
172	Gating the photoactivity of azobenzene-type ligands trapped within a dynamic system of an M4L6 tetrahedral cage, an M2L2 metallocycle and mononuclear MLn complexes. <b>2021</b> , 8, 5195-5200	3
171	Chemical control of the aromatic disulfide exchange kinetics for tailor-made epoxy vitrimers. <b>2022</b> , 239, 124457	5
170	Covalent organic frameworks: Design and applications in electrochemical energy storage devices.	2
169	Dynamic covalent synthesis of conjugated macrocyclic maleimides with interesting solvatochromic luminescent properties. <b>2022</b> , 198, 110031	O
168	Reversible formation/disruption of dynamic double-tailed surfactants in a binary mixture: effects on interfacial properties and aggregation behavior. <b>2022</b> , 636, 128141	1
167	Controllable Preparation of the Reversibly Cross-Linked Rubber Based on Imine Bonds Starting from Telechelic Liquid Rubber.	Ο
166	2D Conjugated Covalent Organic Frameworks: Defined Synthesis and Tailor-Made Functions <b>2022</b> ,	12
165	Template-Free Synthesis of an Interlocked Covalent Organic Molecular Cage 2022,	Ο
164	1D alignment of proteins and other nanoparticles by using reversible covalent bonds on cyclic peptide nanotubes.	0
163	Synthetic, spectroscopic, and computational investigations of readily accessible 2-phenyl-3-alkylbenzoxazaboroles.	
162	Electrochemiluminescent Ion-Channeling Framework for Membrane Binding and Transmembrane Activity Assays <b>2022</b> ,	1
161	Controlled, Sunlight-Driven Reversible Cycloaddition of Multiple Singlet Oxygen Molecules to Anthracene-Containing Trianglimine Macrocycles <b>2022</b> , e202100510	0

160	Ultramacrocyclization in water external templation 2022, 13, 798-803	2
159	Disulfide-Mediated Reversible Polymerization toward Intrinsically Dynamic Smart Materials 2022,	14
158	Self-Assembly of Double-Helical Metallopolymers 2022,	5
157	Specific Noncovalent Association of Truncated -Functionalized Triangular Homochiral Isotrianglimines through Head-to-Head, Tail-to-Tail, and Honeycomb Supramolecular Motifs <b>2022</b> ,	О
156	Dynamic covalent chemistry constrained diphenylethenes: control over reactivity and luminescence both in solution and in the solid state.	
155	A bio-based, robust and recyclable thermoset polyester elastomer by using an inverse vulcanised polysulfide as a crosslinker. <b>2022</b> , 13, 485-491	O
154	Face-Directed Tetrahedral Organic Cage Anchored Palladium Nanoparticles for Selective Homocoupling Reactions.	2
153	Emerging porous organic polymers for biomedical applications <i>Chemical Society Reviews</i> , <b>2022</b> , 58.5	9
152	Separating layer recycling strategy for continuous fiber reinforced thermo-sets based on thermally expanding particles.	1
151	Fast, solvent-free synthesis of ferrocene-containing organic cages dynamic covalent chemistry in the solid state <b>2022</b> , 13, 2877-2883	2
150	Dynamic Covalent Reactions Controlled by Ring-Chain Tautomerism of 2-Formylbenzoic Acid. <b>2022</b> , 2022, e202101461	
149	Superphanes: Facile and efficient preparation, functionalization and unique properties. 2022, 1, 100006	2
148	Dynamic covalent chemistry in live cells for organelle targeting and enhanced photodynamic action <b>2022</b> , 13, 3652-3660	1
147	The Dynamic Covalent Chemistry of Amidoboronates: Tuning the rac/rac Ratio via the B-N and B-O Dynamic Covalent Bonds <b>2022</b> , e202200022	
146	Molecular Dynamics Simulation of the Structural, Mechanical, and Reprocessing Properties of Vitrimers Based on a Dynamic Covalent Polymer Network.	O
145	Constructing Stable Chromenoquinoline-Based Covalent Organic Frameworks via Intramolecular Povarov Reaction <b>2022</b> ,	3
144	Reversible, controllable white-light emission of dye systems by dynamic covalent furan moiety exchange <b>2022</b> ,	
143	Cyclic Polymers Synthesized by Spontaneous Selective Cyclization Approaches. <b>2022</b> , 319-334	

142	Recent Advances in High-strength and High-toughness Polyurethanes Based on Supramolecular Interactions.	3
141	Recent advances in DNA-encoded dynamic libraries <b>2022</b> , 3, 407-419	2
140	Hydrogen sulphide-triggered theranostic prodrugs based on the dynamic chemistry of tetrazines <b>2022</b> ,	O
139	Design and NMR characterization of reversible head-to-tail boronate-linked macrocyclic nucleic acids <b>2022</b> ,	0
138	Recent trends in organic cage synthesis: push towards water-soluble organic cages 2022,	3
137	Accelerating Solvent Selection for Type II Porous Liquids 2022,	O
136	Correlation between Self-Assembled Nanostructures and Bond Exchange Properties for Polyacrylate-Based Vitrimer-like Materials with a Trans-N-Alkylation Bond Exchange Mechanism. <b>2022</b> , 55, 1771-1782	6
135	Study of the preparation and electrochemical performance of porous carbon derived from hypercrosslinked polymers. 1	Ο
134	Effects of network structure of main-chain liquid crystal elastomer on its thermal actuation performance. <b>2022</b> ,	1
133	Preparation and application of self-healing polyvinyl alcohol/bacterial cellulose hydrogel electrolyte. <b>2022</b> , 50, 304-313	O
132	Internal and External Catalysis in Boronic Ester Networks 2022, 11, 394-401	5
131	Shape-shifting molecules: unveiling the valence tautomerism phenomena in bare barbaralones <b>2022</b> ,	O
130	Shape-Shifting Molecules: Unveiling the Valence Tautomerism Phenomena in Bare Barbaralones.	
129	Polymer Networks *. 1-52	
128	Dynamic Covalent Self-Assembly of Chloride- and Ion-Pair-Templated Cryptates 2022,	1
127	Mechanically robust, healable, shape memory, and reprocessable biobased polymers based on dynamic pyrazole-urea bonds. <b>2022</b> , 169, 111133	1
126	Syntheses of Covalent Organic Frameworks via a One-Pot Suzuki Coupling and Schiff® Base Reaction for C2H4/C3H6 Separation.	
125	Preparation of flexible solid-solid phase change materials with simultaneously thermal energy storage capability, reprocessability and dual-actuated shape memory performance. <b>2022</b> , 124826	1

Dynamic Covalent Self-Assembly of Chloride- and Ion-Pair-Templated Cryptates.

123	Facile modification of hydroxyl group containing macromolecules provides autonomously self-healing polymers through the formation of dynamic Schiff base linkages. <b>2022</b> , 168, 111086	1
122	Syntheses of Covalent Organic Frameworks via a One-Pot Suzuki Coupling and Schiff's Base Reaction for C2H4/C3H6 Separation <b>2022</b> ,	3
121	Materials for Smart Soft Actuator Systems <b>2021</b> ,	16
120	Ambimodal Pericyclic Rearrangements of Dialkenyl-Bullvalenes Give Tetrahydro-1,8-ethenoheptalenes <b>2021</b> ,	O
119	Viscoelastic Chondroitin Sulfate and Hyaluronic Acid Double-Network Hydrogels with Reversible Cross-Links <b>2022</b> , 23, 1350-1365	O
118	Self-correcting energy transfer Diels-Alder adduct dyes. <b>2022</b> , 110337	
117	Molecular Cavity for Catalysis and Formation of Metal Nanoparticles for Use in Catalysis 2022,	17
116	Room-Temperature Reversible Dimerization of a Phenalenyl Radical.	0
115	Membrane-Bound Inward-Growth of Artificial Cytoskeletons and Their Selective Disassembly.	
114	Membrane-Bound Inward-Growth of Artificial Cytoskeletons and Their Selective Disassembly <b>2022</b>	
113	Table_1.DOCX. <b>2020</b> ,	
112	Cagearenes: synthesis, characterization, and application for programmed vapour release.	3
111	Organocatalytic Oxidative C-H Amination of Aldehyde Hydrazones with Azoles at Ambient Temperature <b>2022</b> ,	1
110	Teaching an old compound new tricks: reversible transamidation in maleamic acids 2022,	
109	Functional polymer materials based on dynamic covalent chemistry. 1	1
108	Synthesizing Egraphyne.	0
107	Elastic vitrimers: Beyond thermoplastic and thermoset elastomers. <b>2022</b> , 5, 1391-1422	8

A highly stable covalent adaptable network through Econjugated confinement effect. 2022, 124923

105	Synthesis of Egraphyne using dynamic covalent chemistry.	6
104	Polymer Brush-Based Erasable and Rewritable Nanostructured Particle Surfaces.	1
103	Interplay between Chalcogen Bond and Dynamic Covalent Bond.	O
102	Castor oil-derived sustainable poly(urethane urea) covalent adaptable networks with tunable mechanical properties and multiple recyclability based on reversible piperidine-urea bond. <b>2022</b> , 446, 137071	3
101	Mechanism of Self-Healing Hydrogels and Application in Tissue Engineering. <b>2022</b> , 14, 2184	3
100	Covalent Adaptable Networks Based on Dynamic Alkoxyamine Bonds. 2200178	1
99	Homogenizing Blends of Cross-linked Polymers by Interfacial Exchange Reactions.	Ο
98	Self-Healing, Reprocessable, Degradable, Thermadapt Shape Memory Multifunctional Polymers Based on Dynamic Imine Bonds and Their Application in Nondestructively Recyclable Carbon Fiber Composites.	
97	A trefoil knot self-templated through imination in water. <b>2022</b> , 13,	O
96	Versatile and Extendable Boronate-Based Tunable Hydrogel Networks for Patterning Applications.	O
95	ForceBeversible chemical reaction at ambient temperature for designing toughened dynamic covalent polymer networks. <b>2022</b> , 13,	2
94	Electrochemical (Bio)Sensors Based on Covalent Organic Frameworks (COFs). 2022, 22, 4758	4
93	Diboronate crosslinking: Introducing glucose specificity in glucose-responsive dynamic-covalent networks. <b>2022</b> , 348, 601-611	2
92	Additive manufacturing of self-healing polymers and composites. 2022, 433-456	
91	Remarkably enhanced dynamic oxygen migration on graphene oxide supported by copper substrate.	O
90	Self-healing elastomers. <b>2022</b> , 271-304	O
89	CO2 separation by imide/imine organic cages.	

88	Transformation of Porous Organic Cages and Covalent Organic Frameworks with Efficient Iodine Vapor Capture Performance. <b>2022</b> , 144, 12390-12399	4
87	Sulfur-Phenolate Exchange: SuFEx-derived Dynamic Covalent Chemistry towards Degradable SuFEx Polymers.	1
86	High-Performance and Degradable Polybenzoxazine/VU Vitrimer and Its Application for Carbon Fiber Recycling. <b>2022</b> , 10, 9113-9122	3
85	Post-Synthesis Conversion of an Unstable Imine Cage to a Stable Cage with Amide Moieties towards Selective Receptor for Fluoride.	2
84	Additive manufacturing: Frameworks for chemical understanding and advancement in vat photopolymerization.	1
83	Assessment of Epoxy Functionalized Poly(dimethylsiloxane) Vitrimers Catalyzed with Covalently Attached Amines as Reversible Adhesives. 2200237	
82	Photonic vitrimer-based electronics with self-healing and ultrastable visual-digital outputs for wireless strain sensing. <b>2022</b> , 450, 138285	2
81	Tuning the selectivity of amino acid recognition with dynamic covalent bond constrained fluorophores in aqueous media.	
80	Sulfur <b>P</b> henolate Exchange: SuFEx-Derived Dynamic Covalent Reactions and Degradation of SuFEx Polymers.	
79	Aero Grade Epoxy Vitrimer towards Commercialization. <b>2022</b> , 14, 3180	1
79 78	Aero Grade Epoxy Vitrimer towards Commercialization. 2022, 14, 3180  Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by exchange reaction of disulfide bonds. 2022, 31, 095047	1
	Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by	1
78	Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by exchange reaction of disulfide bonds. <b>2022</b> , 31, 095047  Dynamic grafting of carboxylates onto poly(vinyl alcohol) polymers for	0
78 77	Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by exchange reaction of disulfide bonds. 2022, 31, 095047  Dynamic grafting of carboxylates onto poly(vinyl alcohol) polymers for supramolecularly-crosslinked hydrogel formation.  Fabrication of multi-functional bio-based vitrimer and conductive composites via ugi	
78 77 76	Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by exchange reaction of disulfide bonds. 2022, 31, 095047  Dynamic grafting of carboxylates onto poly(vinyl alcohol) polymers for supramolecularly-crosslinked hydrogel formation.  Fabrication of multi-functional bio-based vitrimer and conductive composites via ugi four-component polymerization. 2022, 653, 129911  Reprocessable and degradable bio-based polyurethane by molecular design engineering with	O
78 77 76 75	Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by exchange reaction of disulfide bonds. 2022, 31, 095047  Dynamic grafting of carboxylates onto poly(vinyl alcohol) polymers for supramolecularly-crosslinked hydrogel formation.  Fabrication of multi-functional bio-based vitrimer and conductive composites via ugi four-component polymerization. 2022, 653, 129911  Reprocessable and degradable bio-based polyurethane by molecular design engineering with extraordinary mechanical properties for recycling carbon fiber. 2022, 258, 125313  Thermadapt shape memory polymers based on thermally induced dynamic covalent quinone	0
78 77 76 75 74	Shape reconfiguration and functional self-healing of thermadapt shape memory epoxy vitrimers by exchange reaction of disulfide bonds. 2022, 31, 095047  Dynamic grafting of carboxylates onto poly(vinyl alcohol) polymers for supramolecularly-crosslinked hydrogel formation.  Fabrication of multi-functional bio-based vitrimer and conductive composites via ugi four-component polymerization. 2022, 653, 129911  Reprocessable and degradable bio-based polyurethane by molecular design engineering with extraordinary mechanical properties for recycling carbon fiber. 2022, 258, 125313  Thermadapt shape memory polymers based on thermally induced dynamic covalent quinone methideliol click reaction. 2022, 180, 105397  The orderdisorder conundrum: a trade-off between crystalline and amorphous porous organic	0 0

70	Anion-assisted amidinium exchange and metathesis. <b>2022</b> , 58, 10178-10181	O
69	Dynamic Covalent Crosslinked Hyaluronic Acid Hydrogels and Nanomaterials for Biomedical Applications.	1
68	Ultrasensitive and Regenerative Transistor Sensor Based on Dynamic Covalent Chemistry. 2022, 22, 6947	О
67	Dynamic Bonds: Adaptable Timescales for Responsive Materials.	O
66	Cyanurate-Linked Covalent Organic Frameworks Enabled by Dynamic Nucleophilic Aromatic Substitution. <b>2022</b> , 144, 17737-17742	3
65	Transient Polymer Hydrogels Based on Dynamic Covalent Borate Ester Bonds.	1
64	Amphiphilicity-Controlled Polychromatic Emissive Supramolecular Self-Assemblies for Highly Sensitive and Efficient Artificial Light-Harvesting Systems. 2204360	0
63	Recyclable and malleable thermosets enabled by activating dormant dynamic linkages.	1
62	Dynamic Bonds: Adaptable Timescales for Responsive Materials.	0
61	Organic-Inorganic Composite Polyurethane Vitrimers with High Toughness, Self-healing Ability and Recyclability. <b>2022</b> , 120513	O
60	Detachable and hierarchical assemblies for recyclable and highly efficient oil-fouling removal.	O
59	Second Generation Self-Assembling Dendrimer Combining Supramolecular and Dynamic Covalent Chemistry.	Ο
58	Advances in trimacrocyclic hexasubstituted benzenes. <b>2022</b> , 108, 154124	O
57	Computational investigation of cycloadditions between cyclopentadiene and tropone-3,4-dimethylester.	O
56	Sulfur-rich polymer nanoparticles prepared by miniemulsion polymerization.	1
55	Dynamics of equilibrium linked colloidal networks.	2
54	Hyperspectral Imaging for Non-destructive Testing of Composite Materials and Defect Classification. <b>2023</b> , 404-412	0
53	Dual-Dynamic Chemistries-Based Fast-Reprocessing and High-Performance Covalent Adaptable Networks. 2200726	O

52	Self-healing, reprocessable, degradable, thermadapt shape memory multifunctional polymers based on dynamic imine bonds and their application in nondestructively recyclable carbon fiber composites. <b>2023</b> , 454, 139992	2
51	Imine and imine-derived linkages in two-dimensional covalent organic frameworks.	2
50	Dynamic Hydroxyl¶ne Reaction with Phenols.	0
49	Dynamic Covalent Chemistry for Synthesis and Co-Conformational Control of Mechanically Interlocked Molecules.	O
48	Diastereoselective reversible CII bond exchange of oxindoleIhiazolidienediones for dynamic combinatorial chemistry. <b>2022</b> , 20, 9307-9312	0
47	Structurally Dynamic Gelatin-Based Hydrogels with Self-Healing, Shape Memory, and Cytocompatible Properties for 4D Printing.	O
46	Controlled Release and Capture of Aldehydes by Dynamic Imine Chemistry in Nanoemulsions: From Delivery to Detoxification.	0
45	A Thermally Promoted Homogenous-Floating-Concentrating Strategy Synthesizing Highly Crystalline Triazine/hydroxyl-Rich COFs for 4-Nitrophenol Adsorption. 2200786	Ο
44	On-Demand Release of Secondary Amine Bases for the Activation of Catalysts and Crosslinkers.	O
43	Unravelling Structural Dynamics, Supramolecular Behavior, and Chiroptical Properties of Enantiomerically Pure Macrocyclic Tertiary Ureas and Thioureas.	1
42	A Electron Rich Cage via the Friedel Trafts Reaction. <b>2022</b> , 24, 8980-8985	0
41	Tuning the Fluorescence in Dynamic Covalent Bonded Liquid Crystals. <b>2022</b> , 14, 55864-55872	1
40	A Cross-linked Polyethylene with Recyclability and Mechanical Robustness Enabled by Establishment of Multiple Hydrogen Bonds Network via Reactive Melt Blending.	0
39	Acid-catalyzed Disulfide-mediated Reversible Polymerization for Recyclable Dynamic Covalent Materials.	O
38	Acid-catalyzed Disulfide-mediated Reversible Polymerization for Recyclable Dynamic Covalent Materials.	1
37	Transient self-assembly of metalBrganic complexes.	O
36	High-strength hydrogels: Fabrication, reinforcement mechanisms, and applications.	1
35	Engineering Cohesion and Adhesion through Dynamic Bonds for Advanced Adhesive Materials.	O

34	A natural polymer with desirable self-healing and recyclable, antibacterial, and adhesive properties based on turpentine monomer. <b>2023</b> , 7, 333-344	1
33	Optimizing mechanical and thermomechanical properties of the self-healable and recyclable biobased epoxy thermosets. <b>2023</b> , 30,	O
32	A self-healing and antibacterial electronic skin based on a natural small molecule.	O
31	Elemental Selenium-Derived Poly(Sulfide Selenide)s: A Platform of Photo- and Electrochemical Responsive Polymer.	O
30	Photoactive donor-acceptor conjugated macrocycles: New opportunities for supramolecular chemistry. <b>2022</b> , 108124	О
29	Integrating Bifunctionality and Chemical Stability in Covalent Organic Frameworks via One-Pot Multicomponent Reactions for Solar-Driven H2O2 Production. <b>2023</b> , 145, 2975-2984	O
28	Guanidine-Based Covalent Organic Frameworks: Cooperation between Cores and Linkers for Chromic Sensing and Efficient CO2 Conversion. <b>2023</b> , 15, 6902-6911	0
27	Closed-Loop Recycling of Carbon Fiber-Reinforced Composites Enabled by a Dual-Dynamic Cross-linked Epoxy Network. <b>2023</b> , 11, 1527-1539	O
26	Research Progress in Metal-Porous Organic Cage Nanocomposites. <b>2023</b> , 43, 120	0
25	Influence of Concentration of Thiol-Substituted Poly(dimethylsiloxane)s on the Properties, Phases, and Swelling Behaviors of Their Crosslinked Disulfides. <b>2023</b> , 3, 36-53	O
24	Anion receptors with nitrone CH hydrogen bond donors. <b>2023</b> , 59, 4624-4627	О
23	Fluoride-regulated colorimetric and fluorometric switch through B <b>E</b> dynamic covalent reactions of AIEgens.	O
22	Flow Synthesis of Gigantic Porphyrinic Cages: Facile Synthesis of P12L24 and Discovery of Kinetic Product P9L18.	О
21	Aromatic polyimine covalent adaptable networks with superior water and heat resistances. <b>2023</b> , 187, 111912	O
20	Lewis Acid-Mediated Radical Stabilization and Dynamic Covalent Bonding: Tunable, Reversible and Photocontrollable.	О
19	Transformation of an Imine Cage to a Covalent Organic Framework Film at the Liquid[liquid Interface.	O
18	Cage Walking Synthetic Strategy for Unusual Unsymmetrical Supramolecular Cages.	O
17	Liquid crystalline elastomer actuators with dynamic covalent bonding: Synthesis, alignment, reprogrammability, and self-healing. <b>2023</b> , 27, 101076	O

16	Fascinating isomeric covalent organic frameworks. <b>2023</b> , 15, 4762-4771	О
15	Importance of Precursor Adaptability in the Assembly of Molecular Organic Cages. <b>2023</b> , 88, 2113-2121	O
14	Construction of gel networks via [2+2] photocycloaddition. <b>2023</b> , 11, 2826-2830	O
13	Palladium nanoparticle based smart hydrogels for NIR light-triggered photothermal/photodynamic therapy and drug release with wound healing capability. <b>2023</b> , 5, 1729-1739	O
12	Solvent-Responsive Reversible and Controllable Conversion between a Polyimine Membrane and an Organic Molecule Cage. <b>2023</b> , 145, 6177-6183	O
11	Double n-🛮 Interactions with One Electron Donor: Structural and Mechanistic Insights. <b>2023</b> , 25, 1470-1475	O
10	Lewis Acid-Mediated Radical Stabilization and Dynamic Covalent Bonding: Tunable, Reversible and Photocontrollable.	O
9	Synthesis and structure-property relationship of epoxy vitrimers containing different acetal structures. <b>2023</b> , 272, 125862	O
8	Transformation of an Imine Cage to a Covalent Organic Framework Film at the Liquid∏iquid Interface.	O
7	Dynamic covalent chemistry toward wearable electronics. <b>2023</b> , 101336	O
6	Construction of rigid amine-linked three-dimensional covalent organic frameworks for selectively capturing carbon dioxide. <b>2023</b> , 59, 4911-4914	О
5	Imparting Reprocessability, Quadruple Shape Memory, Self-Healing, and Vibration Damping Characteristics to a Thermosetting Poly(urethane-urea). <b>2023</b> , 5, 3079-3095	O
4	Novel Microwave-Assisted Synthesis of COFs: 2020\( \textbf{D}\)022. <b>2023</b> , 28, 3112	O
3	Intrinsic Self-Healing Chemistry for Next-Generation Flexible Energy Storage Devices. 2023, 15,	O
2	Design Guidelines Inspired by Nature for Stimuli-Responsive Supramolecular Materials. <b>2023</b> , 1001-1026	O
1	Synthesis of size-controllable urchin-like covalent organic frameworks for adsorption of nitrophenols. <b>2023</b> , 357, 112624	O