Eric V Anslyn

List of Publications by Year
in descending order

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203 papers	14,934 citations	22099 59 h-index	20307 116 g-index
213 all docs	213 docs citations	213 times ranked	11320 citing authors

#	Article	IF	Citations
1	Recent Advances in Supramolecular Analytical Chemistry Using Optical Sensing. Chemical Reviews, 2015, 115, 7840-7892.	23.0	793
2	Teaching Old Indicators New Tricks. Accounts of Chemical Research, 2001, 34, 963-972.	7.6	749
3	Indicatorâ€“displacement assays. Coordination Chemistry Reviews, 2006, 250, 3118-3127.	9.5	619
4	Sensing A Paradigm Shift in the Field of Molecular Recognition: From Selective to Differential Receptors. Angewandte Chemie - International Edition, 2001, 40, 3118-3130.	7.2	515
5	Supramolecular Analytical Chemistry. Journal of Organic Chemistry, 2007, 72, 687-699.	1.7	471
6	Differential receptor arrays and assays for solution-based molecular recognition. Chemical Society Reviews, 2006, 35, 14-28.	18.7	445
7	Chromogenic/Fluorogenic Ensemble Chemosensing Systems. Chemical Reviews, 2015, 115, 7893-7943.	23.0	351
8	Teaching Old Indicators New Tricks: A Colorimetric Chemosensing Ensemble for Tartrate/Malate in Beverages. Angewandte Chemie - International Edition, 1999, 38, 3666-3669.	7.2	306
9	A Structural Investigation of the Nâ”B Interaction in ano-(N,N-Dialkylaminomethyl)arylboronate System. Journal of the American Chemical Society, 2006, 128, 1222-1232.	6.6	306
10	The use of principal component analysis and discriminant analysis in differential sensing routines. Chemical Society Reviews, 2014, 43, 70-84.	18.7	289
11	A Chemosensor for Citrate in Beverages. Angewandte Chemie - International Edition, 1998, 37, 649-652.	7.2	288
12	Rapid determination of enantiomeric excess: a focus on optical approaches. Chemical Society Reviews, 2012, 41, 448-479.	18.7	288
13	Array sensing using optical methods for detection of chemical and biological hazards. Chemical Society Reviews, 2013, 42, 8596.	18.7	275
14	Catalytic Signal Amplification Using a Heck Reaction. An Example in the Fluorescence Sensing of Cu(II). Journal of the American Chemical Society, 2004, 126, 14682-14683.	6.6	233
15	Practical applications of supramolecular chemistry. Chemical Society Reviews, 2017, 46, 2385-2390.	18.7	233
16	A Synthetic Receptor Selective for Citrate. Angewandte Chemie International Edition in English, 1997, 36, 862-865.	4.4	230
17	A Highly Selective Low-Background Fluorescent Imaging Agent for Nitric Oxide. Journal of the American Chemical Society, 2010, 132, 13114-13116.	6.6	222
18	Solution-Based Analysis of Multiple Analytes by a Sensor Array:Â Toward the Development of an â€œElectronic Tongueâ€• Journal of the American Chemical Society, 1998, 120, 6429-6430.	6.6	217

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19	Differential Receptors Create Patterns Diagnostic for ATP and GTP. Journal of the American Chemical Society, 2003, 125, 1114-1115.	6.6	214
20	The emerging landscape of single-molecule protein sequencing technologies. Nature Methods, 2021, 18, 604-617.	9.0	198
21	Development of Multianalyte Sensor Arrays Composed of Chemically Derivatized Polymeric Microspheres Localized in Micromachined Cavities. Journal of the American Chemical Society, 2001, 123, 2559-2570.	6.6	188
22	pKa Values and Geometries of Secondary and Tertiary Amines Complexed to Boronic AcidsImplications for Sensor Design. Organic Letters, 2001, 3, 1311-1314.	2.4	181
23	Colorimetric Enantiodiscrimination of Î±-Amino Acids in Protic Media. Journal of the American Chemical Society, 2005, 127, 7986-7987.	6.6	180
24	Guidelines in Implementing Enantioselective Indicator-Displacement Assays for Î±-Hydroxycarboxylates and Diols. Journal of the American Chemical Society, 2005, 127, 4260-4269.	6.6	175
25	Boronic Acid Based Peptidic Receptors for Pattern-Based Saccharide Sensing in Neutral Aqueous Media, an Application in Real-Life Samples. Journal of the American Chemical Society, 2007, 129, 13575-13583.	6.6	173
26	Dynamic multi-component covalent assembly for the reversible binding of secondary alcohols and chirality sensing. Nature Chemistry, 2011, 3, 943-948.	6.6	167
27	Rapid Optical Methods for Enantiomeric Excess Analysis: From Enantioselective Indicator Displacement Assays to Exciton-Coupled Circular Dichroism. Accounts of Chemical Research, 2014, 47, 2212-2221.	7.6	164
28	Expanded Porphyrin-Anion Supramolecular Assemblies: Environmentally Responsive Sensors for Organic Solvents and Anions. Journal of the American Chemical Society, 2015, 137, 7769-7774.	6.6	152
29	Highly parallel single-molecule identification of proteins in zeptomole-scale mixtures. Nature Biotechnology, 2018, 36, 1076-1082.	9.4	151
30	A Simple Method for the Determination of Enantiomeric Excess and Identity of Chiral Carboxylic Acids. Journal of the American Chemical Society, 2011, 133, 13746-13752.	6.6	148
31	Signal Amplification by Allosteric Catalysis. Angewandte Chemie - International Edition, 2006, 45, 1190-1196.	7.2	139
32	Indicator displacement assays (IDAs): the past, present and future. Chemical Society Reviews, 2021, 50, 9-38.	18.7	139
33	The mechanisms of boronate ester formation and fluorescent turn-on in ortho-aminomethylphenylboronic acids. Nature Chemistry, 2019, 11, 768-778.	6.6	131
34	Differential Receptors Create Patterns That Distinguish Various Proteins. Angewandte Chemie - International Edition, 2005, 44, 6375-6378.	7.2	130
35	An Exciton-Coupled Circular Dichroism Protocol for the Determination of Identity, Chirality, and Enantiomeric Excess of Chiral Secondary Alcohols. Journal of the American Chemical Society, 2012, 134, 7117-7125.	6.6	129
36	Detection of chemical warfare simulants by phosphorylation of a coumarin oximate. Chemical Communications, 2006, , 3886.	2.2	128

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37	Optical Analysis of Reaction Yield and Enantiomeric Excess: A New Paradigm Ready for Prime Time. Journal of the American Chemical Society, 2018, 140, 10385-10401.	6.6	127
38	In Situ Assembly of Octahedral Fe(II) Complexes for the Enantiomeric Excess Determination of Chiral Amines Using Circular Dichroism Spectroscopy. Journal of the American Chemical Society, 2012, 134, 4398-4407.	6.6	124
39	A Facile Circular Dichroism Protocol for Rapid Determination of Enantiomeric Excess and Concentration of Chiral Primary Amines. Chemistry - A European Journal, 2010, 16, 227-232.	1.7	117
40	Rhodiumâ€Catalyzed Asymmetric Hydrogenation of Unprotected NH Imines Assisted by a Thiourea. Angewandte Chemie - International Edition, 2014, 53, 8467-8470.	7.2	117
41	High-Throughput Screening of Identity, Enantiomeric Excess, and Concentration Using MLCT Transitions in CD Spectroscopy. Journal of the American Chemical Society, 2008, 130, 9232-9233.	6.6	116
42	A general approach to differential sensing using synthetic molecular receptors. Current Opinion in Chemical Biology, 2010, 14, 685-692.	2.8	110
43	Algorithms for the determination of binding constants and enantiomeric excess in complex hostâ€‰:â€‰guest equilibria using optical measurements. New Journal of Chemistry, 2010, 34, 348.	1.4	110
44	Colorimetric detection of chemical warfare simulants. New Journal of Chemistry, 2005, 29, 1469.	1.4	99
45	Probing Intramolecular Bâ^'N Interactions in Ortho-Aminomethyl Arylboronic Acids. Journal of Organic Chemistry, 2009, 74, 4055-4060.	1.7	95
46	Pattern-Based Recognition for the Rapid Determination of Identity, Concentration, and Enantiomeric Excess of Subtly Different Threo Diols. Journal of the American Chemical Society, 2009, 131, 13125-13131.	6.6	88
47	Discrimination of flavonoids and red wine varietals by arrays of differential peptidic sensors. Chemical Science, 2011, 2, 439-445.	3.7	86
48	Tunable Orthogonal Reversible Covalent (TORC) Bonds: Dynamic Chemical Control over Molecular Assembly. Angewandte Chemie - International Edition, 2019, 58, 74-85.	7.2	86
49	Click and chemically triggered declick reactions through reversible amine and thiol coupling via a conjugate acceptor. Nature Chemistry, 2016, 8, 968-973.	6.6	85
50	Reaction-based Indicator displacement Assay (RIA) for the selective colorimetric and fluorometric detection of peroxynitrite. Chemical Science, 2015, 6, 2963-2967.	3.7	84
51	Metal triggered fluorescence sensing of citrate using a synthetic receptor. Perkin Transactions II RSC, 2001, , 315-323.	1.1	83
52	Expanding the limits of the second genetic code with ribozymes. Nature Communications, 2019, 10, 5097.	5.8	83
53	A general protocol for creating high-throughput screening assays for reaction yield and enantiomeric excess applied to hydrobenzoin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10487-10492.	3.3	81
54	New Autoinductive Cascade for the Optical Sensing of Fluoride: Application in the Detection of Phosphoryl Fluoride Nerve Agents. Journal of the American Chemical Society, 2017, 139, 4635-4638.	6.6	81

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55	Assembly and Translocation of a CRISPR-Cas Primed Acquisition Complex. Cell, 2018, 175, 934-946.e15.	13.5	74
56	A Mechanically Controlled Indicator Displacement Assay. Angewandte Chemie - International Edition, 2012, 51, 9643-9646.	7.2	70
57	In-Situ Generation of Differential Sensors that Fingerprint Kinases and the Cellular Response to Their Expression. Journal of the American Chemical Society, 2013, 135, 14814-14820.	6.6	69
58	A selective and sensitive chromogenic and fluorogenic detection of a sulfur mustard simulant. Chemical Science, 2013, 4, 4292.	3.7	68
59	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. Angewandte Chemie - International Edition, 2018, 57, 1300-1305.	7.2	66
60	Disaggregation is a Mechanism for Emission Turn-On of ortho-Aminomethylphenylboronic Acid-Based Saccharide Sensors. Journal of the American Chemical Society, 2017, 139, 5568-5578.	6.6	60
61	Arresting â€œLoose Boltâ€•Internal Conversion from â^'B(OH)₂ Groups is the Mechanism for Emission Turn-On in ortho-Aminomethylphenylboronic Acid-Based Saccharide Sensors. Journal of the American Chemical Society, 2018, 140, 2348-2354.	6.6	60
62	Circular dichroism of multi-component assemblies for chiral amine recognition and rapid ee determination. Chemical Science, 2012, 3, 156-161.	3.7	58
63	The Evolution of Data-Driven Modeling in Organic Chemistry. ACS Central Science, 2021, 7, 1622-1637.	5.3	58
64	Discrimination and Classification of Ginsenosides and Ginsengs Using Bisâ€Boronic Acid Receptors in Dynamic Multicomponent Indicator Displacement Sensor Arrays. Chemistry - A European Journal, 2012, 18, 1102-1110.	1.7	55
65	Synthesis and biological evaluation of pyrido[2,3-d]pyrimidine-2,4-dione derivatives as eEF-2K inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 4910-4916.	1.4	55
66	Correlating Sterics Parameters and Diastereomeric Ratio Values for a Multicomponent Assembly To Predict Exciton-Coupled Circular Dichroism Intensity and Thereby Enantiomeric Excess of Chiral Secondary Alcohols. Journal of the American Chemical Society, 2012, 134, 7126-7134.	6.6	54
67	Four Simultaneously Dynamic Covalent Reactions. Experimental Proof of Orthogonality. Journal of the American Chemical Society, 2016, 138, 10916-10924.	6.6	54
68	Dynamic covalent chemistry enables formation of antimicrobial peptide quaternary assemblies in a completely abiotic manner. Nature Chemistry, 2018, 10, 45-50.	6.6	54
69	FRET induced by an â€˜allostericâ€™ cycloaddition reaction regulated with exogenous inhibitor and effectors. Tetrahedron, 2004, 60, 7267-7275.	1.0	50
70	Two Methods for the Determination of Enantiomeric Excess and Concentration of a Chiral Sample with a Single Spectroscopic Measurement. Chemistry - A European Journal, 2007, 13, 99-104.	1.7	50
71	Boronic acid based dynamic click chemistry: recent advances and emergent applications. Chemical Science, 2021, 12, 1585-1599.	3.7	50
72	An Autoâ€Inductive Cascade for the Optical Sensing of Thiols in Aqueous Media: Application in the Detection of a VX Nerve Agent Mimic. Angewandte Chemie - International Edition, 2017, 56, 9522-9526.	7.2	49

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73	Sequencing of Sequence-Defined Oligourethanes via Controlled Self-Immolation. Journal of the American Chemical Society, 2020, 142, 2744-2749.	6.6	49
74	Enantioâ€•and Chemoselective Differentiation of Protected Î±â€Amino Acids and Î²â€Homoamino Acids with a Single Copper(II) Host. Chemistry - A European Journal, 2012, 18, 8064-8069.	1.7	47
75	Studies of Reversible Conjugate Additions. European Journal of Organic Chemistry, 2013, 2013, 5017-5021.	1.2	46
76	Ein synthetischer Citratâ€selektiver Rezeptor. Angewandte Chemie, 1997, 109, 911-914.	1.6	41
77	A fluorescence-based cyclodextrin sensor to detect nitroaromatic explosives. Supramolecular Chemistry, 2010, 22, 65-71.	1.5	41
78	Rapid Determination of Enantiomeric Excess of Î±-Chiral Cyclohexanones Using Circular Dichroism Spectroscopy. Organic Letters, 2011, 13, 2298-2301.	2.4	40
79	Fingerprinting Non-Terran Biosignatures. Astrobiology, 2018, 18, 915-922.	1.5	40
80	Rapid Enantiomeric Excess and Concentration Determination Using Simple Racemic Metal Complexes. Organic Letters, 2008, 10, 5167-5170.	2.4	38
81	Differential Sensing of MAP Kinases Using SOXâ€Peptides. Angewandte Chemie - International Edition, 2014, 53, 14064-14068.	7.2	37
82	Photography Coupled with Self-Propagating Chemical Cascades: Differentiation and Quantitation of G- and V-Nerve Agent Mimics via Chromaticity. ACS Central Science, 2018, 4, 854-861.	5.3	36
83	Heavy metal analysis using a Heck-catalyzed cyclization to create coumarin. Journal of Materials Chemistry, 2005, 15, 2815.	6.7	35
84	On the rate of boronate ester formation inortho-aminomethyl-functionalised phenyl boronic acids. Supramolecular Chemistry, 2013, 25, 79-86.	1.5	34
85	A Synergistic Combinatorial and Chiroptical Study of Peptide Catalysts for Asymmetric Baeyerâ€“Villiger Oxidation. Advanced Synthesis and Catalysis, 2015, 357, 2301-2309.	2.1	34
86	Charged poly(N-isopropylacrylamide) nanogels for use as differential protein receptors in a turbidimetric sensor array. Analyst, The, 2017, 142, 3183-3193.	1.7	34
87	Selfâ€propagating amplification reactions for molecular detection and signal amplification: Advantages, pitfalls, and challenges. Journal of Physical Organic Chemistry, 2018, 31, e3827.	0.9	34
88	Chemosensory models: approaches and applications of differential sensing. Current Opinion in Chemical Biology, 2010, 14, 683-684.	2.8	32
89	Coupling Activityâ€Based Detection, Target Amplification, Colorimetric and Fluorometric Signal Amplification, for Quantitative Chemosensing of Fluoride Generated from Nerve Agents. Chemistry - A European Journal, 2017, 23, 3903-3909.	1.7	31
90	Chemically Triggered Synthesis, Remodeling, and Degradation of Soft Materials. Journal of the American Chemical Society, 2020, 142, 3913-3922.	6.6	31

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91	Structural and Thermodynamic Analysis of a Three-Component Assembly Forming ortho-Iminophenylboronate Esters. Journal of Organic Chemistry, 2016, 81, 8319-8330.	1.7	30
92	Boronic Acid Mediated Coupling of Catechols and N-Hydroxylamines: A Bioorthogonal Reaction to Label Peptides. Organic Letters, 2017, 19, 3179-3182.	2.4	29
93	Exploration of plasticizer and plastic explosive detection and differentiation with serum albumin cross-reactive arrays. Chemical Science, 2012, 3, 1773.	3.7	28
94	Rapid Optical Determination of Enantiomeric Excess, Diastereomeric Excess, and Total Concentration Using Dynamic-Covalent Assemblies: A Demonstration Using 2-Aminocyclohexanol and Chemometrics. Journal of the American Chemical Society, 2019, 141, 11151-11160.	6.6	28
95	Preferential Control of Forward Reaction Kinetics in Hydrogels Crosslinked with Reversible Conjugate Additions. Macromolecules, 2020, 53, 3738-3746.	2.2	28
96	Assembly of Linked Nanocrystal Colloids by Reversible Covalent Bonds. Chemistry of Materials, 2020, 32, 10235-10245.	3.2	27
97	Assembling Inorganic Nanocrystal Gels. Nano Letters, 2022, 22, 1457-1466.	4.5	27
98	Pattern recognition based identification of nitrated explosives. New Journal of Chemistry, 2008, 32, 848.	1.4	26
99	Mechanistic studies on covalent assemblies of metal-mediated hemi-aminal ethers. Chemical Science, 2015, 6, 158-164.	3.7	26
100	Discovery of a potent inhibitor of MELK that inhibits expression of the anti-apoptotic protein Mcl-1 and TNBC cell growth. Bioorganic and Medicinal Chemistry, 2017, 25, 2609-2616.	1.4	26
101	Thermodynamic studies of dynamic metal ligands with copper(II), cobalt(II), zinc(II) and nickel(II). Journal of Coordination Chemistry, 2017, 70, 1-9.	0.8	26
102	Colloidal Nanocrystal Gels from Thermodynamic Principles. Accounts of Chemical Research, 2021, 54, 798-807.	7.6	26
103	Strategies for phosphodiester complexation and cleavage. Supramolecular Chemistry, 1993, 1, 201-208.	1.5	25
104	Pattern-based discrimination of organic acids and red wine varietals by arrays of synthetic receptors. Supramolecular Chemistry, 2012, 24, 143-148.	1.5	25
105	Exploitation of the majority rules effect for the accurate measurement of high enantiomeric excess values using CD spectroscopy. Chemical Communications, 2014, 50, 15330-15332.	2.2	25
106	Dynamic covalent binding and chirality sensing of mono secondary amines with a metal-templated assembly. Tetrahedron, 2015, 71, 3515-3521.	1.0	25
107	A racemate-rules effect supramolecular polymer for ee determination of malic acid in the high ee region. Chemical Communications, 2016, 52, 12669-12671.	2.2	25
108	2-Amino-3â€²-dialkylaminobiphenyl-based fluorescent intracellular probes for nitric oxide surrogate N₂O₃. Chemical Science, 2020, 11, 1394-1403.	3.7	24

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109	High-Throughput Determination of Enantiopurity by Microplate Circular Dichroism. Journal of Organic Chemistry, 2020, 85, 10858-10864.	1.7	24
110	Cooperative Binding of Divalent Diamides by Nâ€Alkyl Ammonium Resorcinarene Chlorides. Chemistry - A European Journal, 2015, 21, 9556-9562.	1.7	23
111	Predicting the Composition of Red Wine Blends Using an Array of Multicomponent Peptide-Based Sensors. Molecules, 2015, 20, 9170-9182.	1.7	23
112	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. Angewandte Chemie, 2018, 130, 1314-1319.	1.6	23
113	Title is missing!. Angewandte Chemie, 2003, 115, 2116-2118.	1.6	22
114	Synthesis of a Novel Bisphosphonium Salt Based on 2,2â€²-Bis(diphenylphosphino)-1,1â€²-binaphthyl (Binap). Organometallics, 2008, 27, 3608-3610.	1.1	22
115	A Versatile Approach to Noncanonical, Dynamic Covalent Single- and Multi-Loop Peptide Macrocycles for Enhancing Antimicrobial Activity. Journal of the American Chemical Society, 2018, 140, 3768-3774.	6.6	22
116	Einstellbare orthogonale reversible kovalente Bindungen: dynamische Kontrolle Ã¼ber die molekulare Selbstorganisation. Angewandte Chemie, 2019, 131, 76-88.	1.6	22
117	Effect of pH on the Properties of Hydrogels Cross-Linked via Dynamic Thia-Michael Addition Bonds. ACS Polymers Au, 2022, 2, 129-136.	1.7	22
118	Dynamic Aminalâ€Based TPA Ligands. Chemistry - A European Journal, 2015, 21, 8207-8213.	1.7	21
119	â€œClick-fluorsâ€: triazole-linked saccharide sensors. Organic Chemistry Frontiers, 2016, 3, 918-928.	2.3	21
120	Serotonin Analogues as Inhibitors of Breast Cancer Cell Growth. ACS Medicinal Chemistry Letters, 2017, 8, 1072-1076.	1.3	21
121	Diâ€(2â€picolyl)â€Nâ€(2â€quinolinylmethyl)amineâ€Functionalized Triarylboron: Lewis Acidity Enhancement and Fluorogenic Discrimination Between Fluoride and Cyanide in Aqueous Solution. Chemistry - A European Journal, 2018, 24, 9211-9216.	1.7	21
122	Efficient molecular encoding in multifunctional self-immolative urethanes. Cell Reports Physical Science, 2021, 2, 100393.	2.8	21
123	Chemical Functionalization of Oligodeoxynucleotides with Multiple Boronic Acids for the Polyvalent Binding of Saccharides. Bioconjugate Chemistry, 2011, 22, 388-396.	1.8	20
124	Exploring naphthyl-carbohydrazides as inhibitors of influenza A viruses. European Journal of Medicinal Chemistry, 2014, 71, 81-90.	2.6	20
125	From substituent effects to applications: enhancing the optical response of a four-component assembly for reporting ee values. Chemical Science, 2016, 7, 4085-4090.	3.7	20
126	Rapid Determination of Enantiomeric Excess via NMR Spectroscopy: A Research-Informed Experiment. Journal of Chemical Education, 2017, 94, 79-84.	1.1	20

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127	Teaching through Research: Alignment of Core Chemistry Competencies and Skills within a Multidisciplinary Research Framework. Journal of Chemical Education, 2018, 95, 248-258.	1.1	20
128	Oxoanion recognition by benzene-based tripodal pyrrolic receptors. Supramolecular Chemistry, 2012, 24, 72-76.	1.5	19
129	The Bullâ€“James assembly as a chiral auxiliary and shift reagent in kinetic resolution of alkyne amines by the CuAAC reaction. Organic and Biomolecular Chemistry, 2016, 14, 10778-10782.	1.5	19
130	Solution-phase and solid-phase sequential, selective modification of side chains in KDYWEC and KDYWE as models for usage in single-molecule protein sequencing. New Journal of Chemistry, 2017, 41, 462-469.	1.4	19
131	Differential array sensing for cancer cell classification and novelty detection. Organic and Biomolecular Chemistry, 2017, 15, 9866-9874.	1.5	19
132	Recognition of Viologen Derivatives in Water by N-Alkyl Ammonium Resorcinarene Chlorides. Journal of Organic Chemistry, 2017, 82, 5198-5203.	1.7	17
133	Modulating multi-functional ERK complexes by covalent targeting of a recruitment site in vivo. Nature Communications, 2019, 10, 5232.	5.8	17
134	Differential sensing for the regio- and stereoselective identification and quantitation of glycerides. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3977-86.	3.3	16
135	Combination of two analytical techniques improves wine classification by Vineyard, Region, and vintage. Food Chemistry, 2021, 354, 129531.	4.2	16
136	Analysis of Citric Acid in Beverages: Use of an Indicator Displacement Assay. Journal of Chemical Education, 2010, 87, 832-835.	1.1	15
137	Effects of linker flexibility on phase behavior and structure of linked colloidal gels. Journal of Chemical Physics, 2021, 154, 074901.	1.2	15
138	Solid-State Columns Made from Twisted, Self-Complementary Terpyridine Units. Angewandte Chemie International Edition in English, 1992, 31, 1244-1246.	4.4	14
139	Rapid determination of enantiomeric excess of Î±-chiral aldehydes using circular dichroism spectroscopy. Tetrahedron, 2014, 70, 1357-1362.	1.0	14
140	Sensitization of NOâ€Releasing Ruthenium Complexes to Visible Light. Chemistry - A European Journal, 2015, 21, 15554-15563.	1.7	14
141	Chiral Amine Enantiomeric Excess Determination Using Selfâ€Assembled Octahedral Fe(II)â€Imine Complexes. Chirality, 2015, 27, 294-298.	1.3	14
142	Grape and wine sensory attributes correlate with pattern-based discrimination of Cabernet Sauvignon wines by a peptidic sensor array. Tetrahedron, 2015, 71, 3095-3099.	1.0	14
143	Quantification of a Pharmacodynamic ERK End Point in Melanoma Cell Lysates: Toward Personalized Precision Medicine. ACS Medicinal Chemistry Letters, 2015, 6, 47-52.	1.3	14
144	Model Building Using Linear Free Energy Relationship Parametersâ€“Eliminating Calibration Curves for Optical Analysis of Enantiomeric Excess. Journal of the American Chemical Society, 2016, 138, 8045-8047.	6.6	14

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145	An Autoâ€inductive Cascade for the Optical Sensing of Thiols in Aqueous Media: Application in the Detection of a VX Nerve Agent Mimic. Angewandte Chemie, 2017, 129, 9650-9654.	1.6	14
146	Reengineering a Reversible Covalent-Bonding Assembly to Optically Detect ee in Î²-Chiral Primary Alcohols. CheM, 2019, 5, 3196-3206.	5.8	14
147	Chemically Triggered Click and Declick Reactions: Application in Synthesis and Degradation of Thermosetting Plastics. ACS Macro Letters, 2021, 10, 1125-1131.	2.3	14
148	Discrimination of vicinal-diol-containing flavonoids and black teas by arrays of hostâ€“indicator ensembles. Supramolecular Chemistry, 2012, 24, 520-525.	1.5	12
149	Quantification of ERK Kinase Activity in Biological Samples Using Differential Sensing. ACS Chemical Biology, 2020, 15, 83-92.	1.6	12
150	Nanogel receptors for high isoelectric point protein detection: influence of electrostatic and covalent polymerâ€“protein interactions. Chemical Communications, 2020, 56, 6141-6144.	2.2	12
151	Ribosome-mediated incorporation of fluorescent amino acids into peptides in vitro. Chemical Communications, 2021, 57, 2661-2664.	2.2	12
152	Electrostatic and Covalent Assemblies of Anionic Hydrogel-Coated Gold Nanoshells for Detection of Dry Eye Biomarkers in Human Tears. Nano Letters, 2021, 21, 8734-8740.	4.5	12
153	A Data-Driven Approach to the Development and Understanding of Chiroptical Sensors for Alcohols with Remote Î³-Stereocenters. Journal of the American Chemical Society, 2021, 143, 19187-19198.	6.6	12
154	Colorimetric quantification of linking in thermoreversible nanocrystal gel assemblies. Science Advances, 2022, 8, eabm7364.	4.7	12
155	Multiplexing the Quantitation of MAP Kinase Activities Using Differential Sensing. Journal of the American Chemical Society, 2022, 144, 4017-4025.	6.6	12
156	NON-AQUEOUS TITRATIONS AS A TOOL IN THE STUDY OF MOLECULAR RECOGNITION PHENOMENA. USES IN DISTINGUISHING HYDROGEN BONDING FROM PROTON TRANSFER, THE MEASUREMENT OF COMPLEX INDUCED pKa SHIFTS, AND THE ABILITY TO DISTINGUISH THE CATALYTIC ROLES OF GENERAL ACIDS AND BASES. Journal of Physical Organic Chemistry, 1997, 10, 396-404.	0.9	11
157	Synthesis of alanyl nucleobase amino acids and their incorporation into proteins. Bioorganic and Medicinal Chemistry, 2016, 24, 4177-4187.	1.4	11
158	Reversible Macrocyclization of Peptides with a Conjugate Acceptor. Organic Letters, 2017, 19, 1654-1657.	2.4	11
159	Differentiation and Identification of CachaÃ§a Wood Extracts Using Peptide-Based Receptors and Multivariate Data Analysis. ACS Sensors, 2017, 2, 641-647.	4.0	11
160	Improved Xanthone Synthesis, Stepwise Chemical Redox Cycling. Organic Letters, 2019, 21, 206-209.	2.4	11
161	Solid-Phase Peptide Capture and Release for Bulk and Single-Molecule Proteomics. ACS Chemical Biology, 2020, 15, 1401-1407.	1.6	11
162	Synthesis and Evaluation of a Cyclophane Receptor for Acetic Acid. Supramolecular Chemistry, 2002, 14, 511-517.	1.5	10

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163	The effect of alkylation, protonation, and hydroxyl group substitution on reversible alcohol and water addition to 2- and 4-formyl pyridine derivatives. RSC Advances, 2014, 4, 28893-28900.	1.7	10
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