

Responder	Paper	Question 1 Reasoning	Citations	Paper	Question 2 Reasoning	Citations	Paper	Question 3 Reasoning	Citations	Paper	Question 4 Reasoning	Citations
Stuart Cantrill	TNA Synthesis by DNA Polymerases Factors that Determine the Protein Resistance of Mechanisms of C-C and C-H Alkane Reductive Eliminations	Chemical origin-of-life baby, chemical origin-of-life Protein resistant PEG surfaces are used a lot and so figuring Title is a question that has a simple answer, so should lose	59 325 94	Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall Mechanisms of C-C and C-H Alkane Reductive Eliminations First Examples of Organophosphorus-Containing	Carbon nanotube composites = citation gold Title is a question that has a simple answer, so should lose A bit of a gamble, but if it wasn't a dead end, could be	251 94 103	TNA Synthesis by DNA Polymerases Effect of Catenation on Protein Folding Stability Factors that Determine the Protein Resistance of	Chemical origin-of-life baby, chemical origin-of-life Hey kids, catenanes have some (not much perhaps) Protein resistant PEG surfaces are used a lot and so figuring	59 11 325	TNA Synthesis by DNA Polymerases A Cationic Guest in a 24+ Cationic Host Partitioning the Loss in Vancomycin Binding Affinity for	Chemical origin-of-life baby, chemical origin-of-life Not the best host-guest chemistry out there, but a good We can understand, at a molecular level, why our	59 31 57
		Tally	478		Tally	448		Tally	395		Tally	147
Chemjobber	Partitioning the Loss in Vancomycin Binding Affinity for Solventless Polymerization: Spatial Migration of a Catalyst A Heterocyclic Peptide Nanotube		57 18 171	Unusual Effects in the Pd-Catalyzed Asymmetric Allylic Easily Processable Phenylene-Thiophene-Based The First Triple Thiol-thiolate Hydrogen Bond versus Triple		61 275 11	Phi-Values beyond the Ribosomally Encoded Amino Mutasynthesis of Enterocin and Walipemycin Analogues Quantitative Measure for the "Nakedness" of Fluoride Ion		45 34 32	Partitioning the Loss in Vancomycin Binding Affinity for An Ionic Liquid-Supported Ruthenium Carbene Complex: Diamond Formation by Reduction of Carbon Dioxide		57 215 50
		Tally	246		Tally	347		Tally	111		Tally	322
Christopher Cramer	Design of Heterogeneous Catalysts via Multiple Active TNA Synthesis by DNA Polymerases Solventless Polymerization: Spatial Migration of a Catalyst		142 59 18	Unusual Effects in the Pd-Catalyzed Asymmetric Allylic A Heterocyclic Peptide Nanotube On the Nonpolar Hydration Free Energy of Proteins:	It's the people-worship, not the paper	61 171 129	Studying the Interaction of alpha-Gal Carbohydrate Antigen and Effect of Surface Pressure on the Insulator to Metal Quantitative Measure for the "Nakedness" of Fluoride Ion		34 46 32	An Ionic Liquid-Supported Ruthenium Carbene Complex: Solventless Polymerization: Spatial Migration of a Catalyst Design of Base-Discriminating Fluorescent Nucleoside and Its		215 18 89
		Tally	219		Tally	361		Tally	112		Tally	322
See Arr Oh	Partitioning the Loss in Vancomycin Binding Affinity for Easily Processable Phenylene-Thiophene-Based TNA Synthesis by DNA Polymerases	Significant: Advancing the field, or opening a door we'd still be	57 275 59	First Examples of Organophosphorus-Containing TNA Synthesis by DNA Polymerases Mechanisms of C-C and C-H Alkane Reductive Eliminations		103 59 94	Chain Elongations by Three Carbon Atoms at a Time in the Cationic Hafnium Silyl Complexes and Their Activation of Alkyl Halides via a Silver-Catalyzed Carbene	Let's show them Goddard, Lixon, Miodkowski p. 9242.	17 32 58	TNA Synthesis by DNA Polymerases Molybdenum-Phosphorus Triple Bond Stabilized by An Ionic Liquid-Supported Ruthenium Carbene Complex:		59 59 15 215
		Tally	391		Tally	256		Tally	107		Tally	289
Baran Lab	Mutasynthesis of Enterocin and Walipemycin Analogues Epicocconone, A Novel Fluorescent Compound from Partitioning the Loss in Vancomycin Binding Affinity for		34 58 57	A Heterocyclic Peptide Nanotube Transition Metal-Catalyzed Formation of Boron-Nitrogen First Examples of Organophosphorus-Containing		171 258 103	Mechanisms of C-C and C-H Alkane Reductive Eliminations A Cryptand/Bisparaquat [3]Pseudorotaxane by The Role of the HOOO- Anion in the Ozonation of Alcohols:		94 74 19	TNA Synthesis by DNA Polymerases Transition Metal-Catalyzed Formation of Boron-Nitrogen First Examples of Organophosphorus-Containing		59 59 258 103
		Tally	149		Tally	532		Tally	187		Tally	420
Bruce Turnbull	"Belt and Braces": A Peptide-Based Linker System of de Mutasynthesis of Enterocin and Walipemycin Analogues TNA Synthesis by DNA Polymerases	Impressive early example of engineering with protein parts Impressive early example of hijacking natural biosynthetic I don't know if this is the first example of nucleic acids with	74 34 59	Quantitative Measure for the "Nakedness" of Fluoride Ion First Examples of Organophosphorus-Containing "Belt and Braces": A Peptide-Based Linker System of de	Great paper to cite to make a point First example of something that must now be pretty Very memorable title and one of Dek Woolfson's classics	32 103 74	TNA Synthesis by DNA Polymerases A Cationic Guest in a 24+ Cationic Host "Belt and Braces": A Peptide-Based Linker System of de	Very Cool Really neat example of self-assembly, but maybe not so see previous	59 31 74	TNA Synthesis by DNA Polymerases "Belt and Braces": A Peptide-Based Linker System of de Diamond Formation by Reduction of Carbon Dioxide	General science audience should be impressed that DNA see previous Not sure how "significant" this one is but general audience	59 74 50
		Tally	167		Tally	209		Tally	164		Tally	183
Dr Rubidium	First Examples of Organophosphorus-Containing Design of Base-Discriminating Fluorescent Nucleoside and Its Solventless Polymerization: Spatial Migration of a Catalyst		103 89 18	First Examples of Organophosphorus-Containing Design of Base-Discriminating Fluorescent Nucleoside and Its Solventless Polymerization: Spatial Migration of a Catalyst		103 89 18	First Examples of Organophosphorus-Containing Design of Base-Discriminating Fluorescent Nucleoside and Its Solventless Polymerization: Spatial Migration of a Catalyst		103 89 18	First Examples of Organophosphorus-Containing Design of Base-Discriminating Fluorescent Nucleoside and Its Solventless Polymerization: Spatial Migration of a Catalyst		103 89 18
		Tally	210		Tally	210		Tally	210		Tally	210
Grant Hill	First Examples of Organophosphorus-Containing Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall Easily Processable Phenylene-Thiophene-Based		103 251 275	An Ionic Liquid-Supported Ruthenium Carbene Complex: Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall Diamond Formation by Reduction of Carbon Dioxide		215 251 50	A Heterocyclic Peptide Nanotube Cucurbit[6]uril Pseudorotaxanes: Distinctive Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall		171 42 251	Diamond Formation by Reduction of Carbon Dioxide A Heterocyclic Peptide Nanotube First Examples of Organophosphorus-Containing		50 171 103
		Tally	629		Tally	516		Tally	464		Tally	324
Jessica Breen	Unusual Effects in the Pd-Catalyzed Asymmetric Allylic A New Ruthenium-Catalyzed Cleavage of a Carbon-Carbon 3-Boronoacrolein as an Exceptional Heterodiene in the		61 58 70	Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall A Heterocyclic Peptide Nanotube Formation of Nanostructured Polymer Filaments in		251 171 11	3-Boronoacrolein as an Exceptional Heterodiene in the Activation of Alkyl Halides via a Silver-Catalyzed Carbene Unusual Effects in the Pd-Catalyzed Asymmetric Allylic		70 58 61	Solventless Polymerization: Spatial Migration of a Catalyst Design of Base-Discriminating Fluorescent Nucleoside and Its A Heterocyclic Peptide Nanotube		18 89 171
		Tally	189		Tally	433		Tally	189		Tally	278
Marcel Swart	An Ionic Liquid-Supported Ruthenium Carbene Complex: A Combined Experimental and Theoretical Study of Divalent TNA Synthesis by DNA Polymerases		215 34 59	Control of Kinetics and Thermodynamics of [1,5]-Shifts Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall Cucurbit[6]uril Pseudorotaxanes: Distinctive		68 251 42	Inactivation of Acetyl-CoA Synthase/Carbon Monoxide 3-Boronoacrolein as an Exceptional Heterodiene in the Unusual Effects in the Pd-Catalyzed Asymmetric Allylic		46 70 61	TNA Synthesis by DNA Polymerases A Cationic Guest in a 24+ Cationic Host Inactivation of Acetyl-CoA Synthase/Carbon Monoxide		59 31 46
		Tally	308		Tally	361		Tally	177		Tally	136
Katherine Haxton	Design of Heterogeneous Catalysts via Multiple Active Mechanisms of C-C and C-H Alkane Reductive Eliminations Meta-Conjugation and Excited-State Coupling in		142 94 68	Unusual Effects in the Pd-Catalyzed Asymmetric Allylic Studying the Interaction of alpha-Gal Carbohydrate Antigen and A Heterocyclic Peptide Nanotube	Big name authors, papers broadly applicable, fields that	61 34 171	[3+3]Cycloalkyne Dimers Linked by an Azo Group: A Unusual Effects in the Pd-Catalyzed Asymmetric Allylic Quantitative Measure for the "Nakedness" of Fluoride Ion	Thinking of chemists she works with who might be interested	41 61 32	Diamond Formation by Reduction of Carbon Dioxide First Examples of Organophosphorus-Containing [3+3]Cycloalkyne Dimers Linked by an Azo Group: A	diamond rings from the gas that's toasting the planet? Daily seems accessible enough for folks to grasp because it's cool	50 103 41
		Tally	304		Tally	266		Tally	134		Tally	194
Aaron Finke	Cucurbit[6]uril Pseudorotaxanes: Distinctive A Cryptand/Bisparaquat [3]Pseudorotaxane by First Pseudorotaxane-Like [3]Complexes Based on A Heterocyclic Peptide Nanotube A Cationic Guest in a 24+ Cationic Host	Significant means remembering/determining what	42 74 88 171 31	A Heterocyclic Peptide Nanotube First Examples of Organophosphorus-Containing Mechanisms of C-C and C-H Alkane Reductive Eliminations		171 103 94	Mechanisms of C-C and C-H Alkane Reductive Eliminations A Stable Silicon Congener of Highly Strained Meta-Conjugation and Excited-State Coupling in		94 94 14 68	Diamond Formation by Reduction of Carbon Dioxide Easily Processable Phenylene-Thiophene-Based TNA Synthesis by DNA Polymerases		50 275 59
		Tally	204		Tally	368		Tally	176		Tally	384
Gavin Armstrong				A Heterocyclic Peptide Nanotube Easily Processable Phenylene-Thiophene-Based Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall		171 275 251						
		Tally	697		Tally	697		Tally			Tally	
Ash Jogalekar	Stereoelectronic Effects on Collagen Stability: The An Ionic Liquid-Supported Ruthenium Carbene Complex: Phi-Values beyond the Ribosomally Encoded Amino	Importance picked by generality of method	83 215 45	An Ionic Liquid-Supported Ruthenium Carbene Complex: Stereoelectronic Effects on Collagen Stability: The TNA Synthesis by DNA Polymerases		215 83 59	Stereoelectronic Effects on Collagen Stability: The An Ionic Liquid-Supported Ruthenium Carbene Complex: TNA Synthesis by DNA Polymerases		83 215 59	TNA Synthesis by DNA Polymerases An Ionic Liquid-Supported Ruthenium Carbene Complex: Partitioning the Loss in Vancomycin Binding Affinity for	Importance for general public understanding: origin of life	59 215 57
		Tally	343		Tally	357		Tally	357		Tally	331
Stuart Conway	Stereoelectronic Effects on Collagen Stability: The Design of Base-Discriminating Fluorescent Nucleoside and Its Partitioning the Loss in Vancomycin Binding Affinity for	Really nice example of how an understanding of fundamental Potentially the basis of a powerful imaging/sequencing Very nice study on the molecular basis of vancomycin	83 89 57	An Ionic Liquid-Supported Ruthenium Carbene Complex: Design of Base-Discriminating Fluorescent Nucleoside and Its Easily Processable Phenylene-Thiophene-Based	Combination of fashionable / important technique, actually	215 89 275	An Ionic Liquid-Supported Ruthenium Carbene Complex: Activation of Alkyl Halides via a Silver-Catalyzed Carbene 3-Boronoacrolein as an Exceptional Heterodiene in the	This is difficult as it depends on what you mean by "chemist". If	215 58 70	Partitioning the Loss in Vancomycin Binding Affinity for Easily Processable Phenylene-Thiophene-Based TNA Synthesis by DNA Polymerases	New Antibiotics Molecular Memory Understanding the chemical basis of life	57 275 59
		Tally	229		Tally	579		Tally	343		Tally	391
Vikki Cantrill	A Heterocyclic Peptide Nanotube First Examples of Organophosphorus-Containing An Ionic Liquid-Supported Ruthenium Carbene Complex:	I simply like this stuff	171 103 215	A Heterocyclic Peptide Nanotube Activation of Alkyl Halides via a Silver-Catalyzed Carbene A Cryptand/Bisparaquat [3]Pseudorotaxane by		171 58 74	An Ionic Liquid-Supported Ruthenium Carbene Complex: A Heterocyclic Peptide Nanotube Activation of Alkyl Halides via a Silver-Catalyzed Carbene	useful for lab work, good to know and may come in handy	215 171 58	Solventless Polymerization: Spatial Migration of a Catalyst A Heterocyclic Peptide Nanotube First Examples of Organophosphorus-Containing		18 171 103
		Tally	489		Tally	303		Tally	444		Tally	292
Paul Bracher	Tin-Centered Radical and Cation: Stable and Free Partitioning the Loss in Vancomycin Binding Affinity for Mechanisms of C-C and C-H Alkane Reductive Eliminations		38 57 94	Solventless Polymerization: Spatial Migration of a Catalyst An Ionic Liquid-Supported Ruthenium Carbene Complex: Factors that Determine the Protein Resistance of	Microfluidics seemed to garner a lot of cites in the 2000s Ionic liquids seemed hot enough to generate cites. Also I saw plenty of SAMs papers while in grad school, and	18 215 325	A Cationic Guest in a 24+ Cationic Host Effect of Catenation on Protein Folding Stability On the Nonpolar Hydration Free Energy of Proteins:		31 11 129	TNA Synthesis by DNA Polymerases Diamond Formation by Reduction of Carbon Dioxide A Heterocyclic Peptide Nanotube	To promote origin of life chemistry diamond formation, seems very neat. Impractical to scale, Looked neat.	59 50 171
		Tally	189		Tally	558		Tally	171		Tally	280
Matt Hartings	Design of Heterogeneous Catalysts via Multiple Active Easily Processable Phenylene-Thiophene-Based Partitioning the Loss in Vancomycin Binding Affinity for	Really cool way to "control" heterogeneous catalysts in Marks does great work in generating industrially useful Cool that you can detail the structural reasons for antibiotic	142 275 57	Mechanisms of C-C and C-H Alkane Reductive Eliminations Photoinduced Magnetization in a Two-Dimensional Cobalt Design of Heterogeneous Catalysts via Multiple Active	The shilov cycle is still poorly understood. This research has Photoinduced magnetization!! how cool is that! Really cool way to "control" heterogeneous catalysts in	94 151 142	Design of Heterogeneous Catalysts via Multiple Active Mechanisms of C-C and C-H Alkane Reductive Eliminations Synthesis, Structure, and Photoelectronic Effects of a	Really cool way to "control" heterogeneous catalysts in This is a 2-D version of a MOF before MOFs became cool ...	142 94 200	Diamond Formation by Reduction of Carbon Dioxide Easily Processable Phenylene-Thiophene-Based Photoinduced Magnetization in a Two-Dimensional Cobalt	Journalist porn :) Better living thru chemistry (newest devices could be run Seriously, a 2-D magnet that turns on with light!	50 275 151
		Tally	474		Tally	387		Tally	436		Tally	476
Katherine Franz	A Combined Experimental and Theoretical Study of Divalent Inactivation of Acetyl-CoA Synthase/Carbon Monoxide Stereoelectronic Effects on Collagen Stability: The	Significant to me b/c I think the question of metal selectivity is I found this significant because of the broad implications	34 46 83	On the Nonpolar Hydration Free Energy of Proteins: Single-Step in Situ Synthesis of Polymer-Grafted Single-Wall Easily Processable Phenylene-Thiophene-Based	Computationally modeling protein structure & dynamics is single-wall carbon nanotubes have been hot topics over the Big-name lab, and "hot" applications area	129 251 275	Factors that Determine the Protein Resistance of A Cationic Guest in a 24+ Cationic Host	Defining new "factors"/parameter/rules for How'd they do that?	325 31	"Belt and Braces": A Peptide-Based Linker System of de A Heterocyclic Peptide Nanotube Partitioning the Loss in Vancomycin Binding Affinity for	Categorize this as "cool things chemists do" Categorize this as "cool things chemists do" Everybody should be interested and concerned	74 171 57
		Tally	163		Tally	655		Tally	356		Tally	58