

# Jovica D BadjiÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

4,102  
citations

196777

29  
h-index

134545

62  
g-index

95  
all docs

95  
docs citations

95  
times ranked

4231  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Picking on Carbonate: Kinetic Selectivity in the Encapsulation of Anions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .  | 7.2 | 15        |
| 2  | Picking on Carbonate: Kinetic Selectivity in the Encapsulation of Anions. <i>Angewandte Chemie</i> , 2022, 134, .   | 1.6 | 1         |
| 3  | A double-decker cage for allosteric encapsulation of ATP. <i>Chemical Communications</i> , 2022, 58, 5992-5995.   | 2.2 | 2         |
| 4  | Dissipative Formation of Covalent Basket Cages. <i>Angewandte Chemie</i> , 2022, 134, .   | 1.6 | 4         |
| 5  | Dissipative Formation of Covalent Basket Cages. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .  | 7.2 | 19        |
| 6  | Cross-reactive binding versus selective phosphate sensing in an imine macrocycle sensor. <i>CheM</i> , 2022, 8, 2228-2244.  | 5.8 | 5         |
| 7  | A Hexapodal Capsule for the Recognition of Anions. <i>Journal of the American Chemical Society</i> , 2021, 143, 3874-3880.  | 6.6 | 40        |
| 8  | From Selection to Instruction and Back: Competing Conformational Selection and Induced Fit Pathways in Abiotic Hosts. <i>Angewandte Chemie</i> , 2021, 133, 20095-20101.                        | 1.6 | 4         |
| 9  | From Selection to Instruction and Back: Competing Conformational Selection and Induced Fit Pathways in Abiotic Hosts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19942-19948. | 7.2 | 18        |
| 10 | Molecular Recognition of Nerve Agents and Their Organophosphorus Surrogates: Toward Supramolecular Scavengers and Catalysts. <i>Chemistry - A European Journal</i> , 2021, 27, 13280-13305.     | 1.7 | 15        |
| 11 | Enantioselective Lego-like Construction of Modular and Asymmetric Baskets. <i>Angewandte Chemie</i> , 2021, 133, 25279.   | 1.6 | 4         |
| 12 | Frontispiece: Molecular Recognition of Nerve Agents and Their Organophosphorus Surrogates: Toward Supramolecular Scavengers and Catalysts. <i>Chemistry - A European Journal</i> , 2021, 27, .  | 1.7 | 0         |
| 13 | Enantioselective Lego-like Construction of Modular and Asymmetric Baskets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25075-25081.  | 7.2 | 8         |
| 14 | A computational study of competing conformational selection and induced fit in an abiotic system. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 507-511.                               | 1.3 | 1         |
| 15 | Tuning the allosteric sequestration of anticancer drugs for developing cooperative nano-antidotes. <i>Chemical Communications</i> , 2020, 56, 1271-1274.  | 2.2 | 16        |
| 16 | A highly diastereoselective synthesis of deep molecular baskets. <i>Chemical Communications</i> , 2020, 56, 10243-10246.  | 2.2 | 11        |
| 17 | One-Pot Aldol Cascade for the Preparation of Isospiropyrans, Flavylium Salts, and bis-Spiropyrans. <i>Journal of Organic Chemistry</i> , 2020, 85, 8013-8020.                                   | 1.7 | 2         |
| 18 | A Molecular Capsule with Revolving Doors Partitioning Its Inner Space. <i>Chemistry - A European Journal</i> , 2020, 26, 16480-16485.   | 1.7 | 0         |

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|----|--|-----|-----------|
| 19 | Photoinduced interruption of interannular cooperativity for delivery of cationic guests in water. <i>Chemical Communications</i> , 2020, 56, 2987-2990.  | 2.2 | 10        |
| 20 | Multivalent Câ~Hâ€...â€...Cl/Brâ~C Interactions Directing the Resolution of Dynamic and Twisted Capsules. <i>Chemistry - A European Journal</i> , 2019, 25, 13124-13130.                     | 1.7 | 12        |
| 21 | Twistâ€Turnâ€Twist Motif Chaperoned Inside Molecular Baskets. <i>Journal of the American Chemical Society</i> , 2019, 141, 16600-16604.  | 6.6 | 16        |
| 22 | An easily accessible isospiropyran switch. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9124-9128.  | 1.5 | 2         |
| 23 | Photo-induced formation of organic nanoparticles possessing enhanced affinities for complexing nerve agent mimics. <i>Chemical Communications</i> , 2019, 55, 1987-1990.                       | 2.2 | 13        |
| 24 | On the encapsulation and assembly of anticancer drugs in a cooperative fashion. <i>Chemical Science</i> , 2019, 10, 5678-5685.   | 3.7 | 16        |
| 25 | Stereo- and Regioselective Synthesis of Molecular Baskets. <i>Journal of Organic Chemistry</i> , 2019, 84, 4392-4401.  | 1.7 | 5         |
| 26 | Stackable molecular chairs. <i>Chemical Communications</i> , 2019, 55, 5479-5482.  | 2.2 | 5         |
| 27 | Multivalent Câ~Hâ€...â€...Cl/Brâ~C Interactions Directing the Resolution of Dynamic and Twisted Csules. <i>Chemistry - A European Journal</i> , 2019, 25, 13048-13048.                       | 1.7 | 0         |
| 28 | A Hexavalent Basket for Bottomâ€Up Construction of Functional Soft Materials and Polyvalent Drugs through a â€Clickâ€Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 1242-1248. | 1.7 | 5         |
| 29 | Lightâ€Triggered Transformation of Molecular Baskets into Organic Nanoparticles. <i>Chemistry - A European Journal</i> , 2019, 25, 273-279.   | 1.7 | 10        |
| 30 | A Stimuli-Responsive Molecular Capsule with Switchable Dynamics, Chirality, and Encapsulation Characteristics. <i>Journal of the American Chemical Society</i> , 2018, 140, 11091-11100.       | 6.6 | 49        |
| 31 | Multivalent and Photoresponsive Assembly of Dualâ€Cavity Baskets in Water. <i>Chemistry - A European Journal</i> , 2017, 23, 8829-8833.   | 1.7 | 6         |
| 32 | Examining the Scope and Thermodynamics of Assembly in Nesting Complexes Comprising Molecular Baskets and TPA Ligands. <i>Organic Letters</i> , 2017, 19, 4932-4935.                            | 2.4 | 10        |
| 33 | Removal of Nerve Agent Simulants from Water Using Light-Responsive Molecular Baskets. <i>Journal of the American Chemical Society</i> , 2017, 139, 18496-18499.                                | 6.6 | 31        |
| 34 | Two-Dimensional Supramolecular Polymers Embodying Large Unilamellar Vesicles in Water. <i>Journal of the American Chemical Society</i> , 2016, 138, 11312-11317.                               | 6.6 | 18        |
| 35 | Assembly and Folding of Twisted Baskets in Organic Solvents. <i>Organic Letters</i> , 2016, 18, 4238-4241.   | 2.4 | 5         |
| 36 | Gating the Trafficking of Molecules across Vesicular Membrane Composed of Dual-Cavity Baskets. <i>Chemistry of Materials</i> , 2016, 28, 8128-8131.  | 3.2 | 10        |

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|----|---|------|-----------|
| 37 | Stereo- and regioselective halogenation of norbornenes directed by neighboring group participation. <i>Tetrahedron Letters</i> , 2016, 57, 5584-5587.   | 0.7  | 5         |
| 38 | Russian Nesting Doll Complexes of Molecular Baskets and Zinc Containing TPA Ligands. <i>Journal of the American Chemical Society</i> , 2016, 138, 8253-8258.  | 6.6  | 31        |
| 39 | On the Transfer of Chirality, Thermodynamic Stability, and Folding Characteristics of Stereoisomeric Gated Baskets. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6832-6840.   | 1.2  | 5         |
| 40 | Twisted Baskets. <i>Chemistry - A European Journal</i> , 2015, 21, 3550-3555.   | 1.7  | 9         |
| 41 | Ubiquitous Assembly of Amphiphilic Baskets into Unilamellar Vesicles and Their Recognition Characteristics. <i>Organic Letters</i> , 2015, 17, 852-855.   | 2.4  | 18        |
| 42 | Fulleropyrrolidine molecular dumbbells act as multi-electron-acceptor triads. Spectroscopic, electrochemical, computational and morphological characterizations. <i>RSC Advances</i> , 2015, 5, 88241-88248.  | 1.7  | 7         |
| 43 | Dual-Cavity Basket Promotes Encapsulation in Water in an Allosteric Fashion. <i>Journal of the American Chemical Society</i> , 2015, 137, 12276-12281.  | 6.6  | 35        |
| 44 | Gated molecular baskets. <i>Chemical Society Reviews</i> , 2015, 44, 500-514.   | 18.7 | 80        |
| 45 | On the Nature of the Transition State Characterizing Gated Molecular Encapsulations. <i>Molecules</i> , 2014, 19, 14292-14303.  | 1.7  | 2         |
| 46 | Recognition Characteristics of an Adaptive Vesicular Assembly of Amphiphilic Baskets for Selective Detection and Mitigation of Toxic Nerve Agents. <i>Journal of the American Chemical Society</i> , 2014, 136, 17337-17342.                            | 6.6  | 35        |
| 47 | Trapping of Organophosphorus Chemical Nerve Agents in Water with Amino Acid Functionalized Baskets. <i>Chemistry - A European Journal</i> , 2014, 20, 4251-4256.  | 1.7  | 41        |
| 48 | Urea-Catalyzed Nâ€“H Insertionâ€“Arylation Reactions of Nitro diazoesters. <i>Journal of Organic Chemistry</i> , 2014, 79, 4832-4842.   | 1.7  | 24        |
| 49 | A Molecular Claw: A Dynamic Cavitand Host. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11313-11316.  | 7.2  | 19        |
| 50 | Assembly of Amphiphilic Baskets into Stimuli-Responsive Vesicles. Developing a Strategy for the Detection of Organophosphorus Chemical Nerve Agents. <i>Journal of the American Chemical Society</i> , 2013, 135, 14964-14967.                          | 6.6  | 63        |
| 51 | On the role of guests in enforcing the mechanism of action of gated baskets. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7667.  | 1.5  | 23        |
| 52 | The Entrapment of Chiral Guests with Gated Baskets: Can a Kinetic Discrimination of Enantiomers Be Governed through Gating?. <i>Chemistry - A European Journal</i> , 2013, 19, 4767-4775.   | 1.7  | 22        |
| 53 | Method for the Preparation of Derivatives of Heptiptycene: Toward Dual-Cavity Baskets. <i>Journal of Organic Chemistry</i> , 2013, 78, 2984-2991.   | 1.7  | 10        |
| 54 | The Prospect of Selective Recognition of Nerve Agents with Modular Basket-like Hosts. A Structureâ€“Activity Study of the Entrapment of a Series of Organophosphonates in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3240-3249. | 1.2  | 25        |

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|----|---|------|-----------|
| 55 | A stereodynamic and redox-switchable encapsulation-complex containing a copper ion held by a tris-quinolinyl basket. <i>Chemical Communications</i> , 2012, 48, 4429.                                       | 2.2  | 19        |
| 56 | Design, Preparation, and Study of Catalytic Gated Baskets. <i>Journal of Organic Chemistry</i> , 2012, 77, 2675-2688.   | 1.7  | 25        |
| 57 | On the mechanism of action of gated molecular baskets: The synchronicity of the revolving motion of gates and in/out trafficking of guests. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 90-99. | 1.3  | 6         |
| 58 | An Acid-Catalyzed Cyclialkylation that Provides Rapid Access to a Twisted Molecular Basket. <i>Chemistry - A European Journal</i> , 2012, 18, 8301-8305.  | 1.7  | 5         |
| 59 | Controlling dynamic stereoisomerism in transition-metal folded baskets. <i>Chemical Science</i> , 2011, 2, 752.   | 3.7  | 14        |
| 60 | Controlling the dynamics of molecular encapsulation and gating. <i>Chemical Society Reviews</i> , 2011, 40, 1609-1622.  | 18.7 | 99        |
| 61 | The Effect of the Dynamics of Revolving Gates on the Kinetics of Molecular Encapsulation – The Activity/Selectivity Relationship. <i>Chemistry - A European Journal</i> , 2011, 17, 2562-2565.              | 1.7  | 15        |
| 62 | The Role of Chirality in Directing the Formation of Cup-Shaped Porphyrins and the Coordination Characteristics of such Hosts. <i>Chemistry - A European Journal</i> , 2011, 17, 8870-8881.                  | 1.7  | 7         |
| 63 | Kinetically and thermodynamically controlled syntheses of covalent molecular capsules. <i>Advances in Physical Organic Chemistry</i> , 2011, 45, 1-37.  | 0.5  | 15        |
| 64 | Molecular Recognition of a Transition State. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4816-4819.  | 7.2  | 18        |
| 65 | Gated Molecular Recognition and Dynamic Discrimination of Guests. <i>Journal of the American Chemical Society</i> , 2010, 132, 773-776.   | 6.6  | 39        |
| 66 | Four-State Switching Characteristics of a Gated Molecular Basket. <i>Organic Letters</i> , 2009, 11, 2495-2498.   | 2.4  | 17        |
| 67 | A close inspection of Ag(I) coordination to molecular baskets. A study of solvation and guest encapsulation in solution and the solid state. <i>Tetrahedron</i> , 2009, 65, 7213-7219.                      | 1.0  | 8         |
| 68 | Tuning the Rate of Molecular Translocation. <i>Journal of the American Chemical Society</i> , 2009, 131, 7250-7252.   | 6.6  | 39        |
| 69 | Supramolecular Catalysis at Work: Diastereoselective Synthesis of a Molecular Bowl with Dynamic Inner Space. <i>Journal of Organic Chemistry</i> , 2008, 73, 355-363.                                       | 1.7  | 32        |
| 70 | Encapsulation of Guests within a Gated Molecular Basket: Thermodynamics and Selectivity. <i>Organic Letters</i> , 2008, 10, 5361-5364.  | 2.4  | 29        |
| 71 | A 3-fold “Butterfly Valve” in Command of the Encapsulation’s Kinetic Stability. <i>Molecular Baskets at Work. Journal of the American Chemical Society</i> , 2008, 130, 15127-15133.                        | 6.6  | 40        |
| 72 | Molecular Encapsulation via Metal-to-Ligand Coordination in a Cu(I)-Folded Molecular Basket. <i>Journal of Organic Chemistry</i> , 2008, 73, 5100-5109.   | 1.7  | 35        |

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|----|--|-----|-----------|
| 73 | Prospects in controlling morphology, dynamics and responsiveness of supramolecular polymers. <i>Soft Matter</i> , 2007, 3, 137-154.  | 1.2 | 61        |
| 74 | Structure-Function Studies of Modular Aromatics That Form Molecular Organogels. <i>Journal of Organic Chemistry</i> , 2007, 72, 7270-7278.   | 1.7 | 62        |
| 75 | Silver(I) Mediated Folding of a Molecular Basket. <i>Organic Letters</i> , 2007, 9, 2301-2304.   | 2.4 | 20        |
| 76 | Operating Molecular Elevators. <i>Journal of the American Chemical Society</i> , 2006, 128, 1489-1499.   | 6.6 | 280       |
| 77 | Template-Directed Synthesis of Mechanically Interlocked Molecular Bundles Using Dynamic Covalent Chemistry. <i>Organic Letters</i> , 2006, 8, 3899-3902.   | 2.4 | 87        |
| 78 | Allosteric Regulation of the Conformational Dynamics of a Cavitand Receptor. <i>Organic Letters</i> , 2006, 8, 3697-3700.  | 2.4 | 10        |
| 79 | Design, Synthesis, and Conformational Dynamics of a Gated Molecular Basket. <i>Journal of the American Chemical Society</i> , 2006, 128, 5887-5894.  | 6.6 | 70        |
| 80 | Multivalency and Cooperativity in Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 2005, 38, 723-732.  | 7.6 | 609       |
| 81 | The Exclusivity of Multivalency in Dynamic Covalent Processes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3273-3278.   | 7.2 | 68        |
| 82 | A Mechanically Interlocked Bundle. <i>Chemistry - A European Journal</i> , 2004, 10, 1926-1935.  | 1.7 | 80        |
| 83 | Can Multivalency Be Expressed Kinetically? The Answer Is Yes. <i>Journal of the American Chemical Society</i> , 2004, 126, 2288-2289.  | 6.6 | 80        |
| 84 | A Molecular Elevator. <i>Science</i> , 2004, 303, 1845-1849.   | 6.0 | 991       |
| 85 | Conjugate of Palladium(II) Complex and $\beta$ -Cyclodextrin Acts as a Biomimetic Peptidase. <i>Journal of the American Chemical Society</i> , 2004, 126, 696-697.   | 6.6 | 76        |
| 86 | Controlling Multivalent Interactions in Triply-Threaded Two-Component Superbundles. <i>Chemistry - A European Journal</i> , 2003, 9, 5348-5360.  | 1.7 | 68        |
| 87 | Reactivity of Organic Compounds Inside Micelles Embedded in Sol-Gel Glass. Kinetics of Isomerization of Azobenzene Inside CTAB and SDS Micelles Embedded in Silica Matrix. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7482-7489.    | 1.2 | 11        |
| 88 | Behavior of organic compounds confined in monoliths of sol-gel silica glass. Effects of guest-host hydrogen bonding on uptake, release, and isomerization of the guest compounds. <i>Journal of Materials Chemistry</i> , 2001, 11, 408-418. | 6.7 | 36        |
| 89 | Enantioselective Aminolysis of an $\beta$ -Chloroester Catalyzed by <i>Candida cylindracea</i> Lipase Encapsulated in Sol-Gel Silica Glass. <i>Organic Letters</i> , 2001, 3, 2025-2028.   | 2.4 | 44        |
| 90 | Unexpected Interactions between Sol-Gel Silica Glass and Guest Molecules. Extraction of Aromatic Hydrocarbons into Polar Silica from Hydrophobic Solvents. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11081-11087.                  | 1.2 | 35        |

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|----|--|-----|-----------|
| 91 | Effects of Encapsulation in Sol-Gel Silica Glass on Esterase Activity, Conformational Stability, and Unfolding of Bovine Carbonic Anhydrase II. <i>Chemistry of Materials</i> , 1999, 11, 3671-3679. | 3.2 | 89        |