Curriculum Vitae

Valeria Amendola

Associate Professor

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PERSONAL INFORMATION

- **Date of Birth:** 11 February 1974, Milan, Italy
- **Nationality:** Italian

EDUCATION

- **October 1992 – July 1997:** Degree in Chemistry (Grade: 110/110 cum laude)
- **November 1997 – October 2000:** Ph.D. in Chemical Sciences, Department of Inorganic Chemistry, University of Pavia, Italy
    - **Thesis:** "Transition Metal Ions in Supramolecular Chemistry" (Supervisor: Prof. L. Fabbrizzi)
- **November 1997 – October 2000:** Obtained a post-graduate diploma from the University School for Advanced Studies (IUSS), Pavia, during her Ph.D.

RESEARCH EXPERIENCE & ACADEMIC QUALIFICATIONS

- **November 2000 – January 2005:** Postdoctoral Fellowship in Supramolecular Chemistry, Department of Chemistry, University of Pavia
- **January 2005 – April 2015:** Researcher in Chemistry, Department of Chemistry, University of Pavia
    - **August 2010:** Visiting Scientist, Department of Chemistry, TUM Munich (Lab of Prof. Franz-P. Schmidtchen). Results published in *Chemistry - A European Journal* 2011, 17(21), 5972–5981
    - **May 2012:** Visiting Scientist, Department of Chemistry, University of Zurich (Lab of Prof. Roger Alberto). Study on a molecular cage for $^{99}TcO_4^-$ anion published in *Angewandte Chemie International Edition* 2012, 51, 9772–9776
    - **May 2013:** Visiting Scientist, Department of Chemistry, University of Zurich (Lab of Prof. Roger Alberto). Study on a fluorescent chemosensor for 99Tc published in *Chemical Science* 2014, 5, 1820–1826
- **May 2015 – Present:** Associate Professor of Chemistry (Supramolecular Chemistry), Department of Chemistry, University of Pavia

Academic Qualification: Habilitated as Full Professor in Chemistry (sector 03/B1, MIUR: Fundamentals of Chemical Sciences and Inorganic Systems) in 2013 and 2018

TEACHING & TUTORING

Over ten years of experience (since 2010) as a PhD project supervisor in Chemical Sciences, she has supervised the research work of five PhD students (Riccardo Mobili, 35th cycle; Sonia La Cognata, 33rd

cycle; Ana Miljkovic, 30th cycle; Carlo Ciarrocchi, 28th cycle; Greta Bergamaschi, 26th cycle) at the Department of Chemistry, University of Pavia.
Nineteen years of experience as a Professor of Chemistry, Stoichiometry, and Laboratory for first-year students in Biology and Chemistry degrees at the University of Pavia, and more than five years as a Professor of Inorganic Chemistry and Supramolecular Chemistry for master's students. Details are as follows:

1. 2005/06 - 2008/09: "General and Inorganic Chemistry" (7 CFU) and "Agricultural Chemistry" (2 CFU) for the Faculty of Science;
2. 2009/10 - present: "Stoichiometry and Chemistry Laboratory" (12 CFU), Chemistry degree;
3. 2014/15 - present: "Inorganic Chemistry III" (3 CFU) and "Supramolecular Chemistry," master's degree in Chemistry.

RESEARCH PROJECT MANAGEMENT & COLLABORATIONS

- **2018-2020 (3-year collaboration):** Scientific Coordinator of the National Interuniversity Consortium of Materials Science and Technology (INSTM) Research Unit at Pavia for the project "New Generation Separation Processes - PRONG," sponsored by the French Alternative Energies and Atomic Energy Commission (CEA). This collaboration with the CEA-Marcoule nuclear site focused on synthesizing molecular systems (developed by the research unit) to improve technetium management in nuclear fuel reprocessing separation processes.

- **July 2020 – June 2023 (3-year project):** Scientific Coordinator of the lead unit (University of Pavia) for the research project "Metal Organic Frameworks and Organic Cages for Highly Selective Gas Separation Membranes and Heavy Metal Capture Devices" (MOCA), funded by the Cariplo Foundation ("Circular Economy" 2019, project No. 2019-2090). This project emphasized synthesizing new materials and mixed-matrix membranes for air and water decontamination in collaboration with research groups from the University of Calabria and CNR-ITM (Institute on Membrane Technology) as partner units.

- Upcoming 2-year **Project** (February 2025): Scientific Coordinator of the local unit (University of Pavia) in the national research project "Organic/Metal-Organic Composite Materials and Technologies for Water Remediation and Gas Separation" (OMEGA), funded by the Ministry of Education, University, and Research (PRIN 2022 – N. 20224HH9KP). This two-year project will focus on advancing materials and technologies for environmental applications.

RESEARCH PROJECTS
Throughout her career, Valeria Amendola has contributed to various research initiatives, including:

- **PRIN 2011:** "Integrated supramolecular technologies for chemical information processing: advanced molecular devices and materials (infoChem)," national research project funded by the Italian Ministry of Education, University and Research (MIUR).
- **CARIPLO 2009:** "CO2 photoconversion on nanoparticles," sponsored by the Cariplo Foundation.
- **PRIN 2008:** "Supramolecular systems for nanomachines, signal processing, sensing, and catalysis," national research project funded by MIUR.
- **PRIN 2006:** "Supramolecular systems for the construction of molecular machines, energy conversion, sensing, and catalysis," national research project funded by MIUR.
- **European Union Framework Programme (2000-2004):** Contract N° HPRN-CT-2000-00029 for the Research Training Network "Molecular Level Devices and Machines" (MLDM).
- **PRIN 2001:** "Supramolecular devices," national research project funded by MIUR.
- **COFIN 1999:** "Supramolecular devices," national research project funded by MIUR.

- **European Research Network (1994-1998):** Contract CHRX-CT94-0492, focused on Transition Metals in Supramolecular Catalysis.

SCIENTIFIC COMMITTEES & ADVISORY BOARD

- Member of the Scientific Committee for the Interdepartmental Research Center for Studies and Research on Higher Education Systems (CIRSIS) at the University of Pavia.
- a.y. 2024-25: member of the Advisory Board and Senior Tutor for Almo Collegio Borromeo in Pavia.

EDITORIAL ACTIVITY

- Since 2017, she has served on the Editorial Board of *Frontiers in Chemistry* and *Molecules* (MDPI).
- Co-Editor of the themed collection "Supramolecular Sensors: From Molecules to Materials, 2024" in the *Sensors & Diagnostics* journal (Royal Society of Chemistry).

REVIEWING ACTIVITY

Valeria has reviewed articles for *Nature Communications* (3 reviews), *Nature Reviews* (1), *Angewandte Chemie* (5), *Advanced Healthcare Materials* (4), *Chemical Reviews* (1), *Journal of the American Chemical Society* (3), and *Chemical Communications* (14). Her full reviewing activity is available on ORCID.

CONFERENCE PARTICIPATION & ORGANIZATION

- **Organizing Committee Member:**
  - 2nd International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC 2007, Salice Terme).
  - International Symposium on Metal Complexes (ISMEC 2014, Pavia).
  - XVI Congresso Nazionale di Chimica Supramolecolare - Supramol 2024 (Pavia).
  - Organized the "MOCA meeting" on June 8, 2023, at Almo Collegio Borromeo in Pavia as part of the dissemination activities for the MOCA project (Cariplo Foundation).
- **Invited Presentations:**
  - Oral presentation on "Molecular cages on solid supports and nanomaterials" at MASC 2015 (Durham).
  - Opening plenary lecture at the IUPAC 2019 Global Networking Event for "Empowering Women in Chemistry" (Rende, Italy).
  - Keynote presentation at the 1st WISC on "Organic Cages in Sensing and Separation Processes" (Cagliari, 2021).
  - Oral communication at MSMLG2022 (Dublin); "Recent applications of Organic Cages in Sensing and Separation Processes."
  - Oral presentation at the XIII International Symposium on Nano & Supramolecular Chemistry (ISNSC 2024, S. Margherita di Pula, Italy); "Molecular Cages in CO2 Separation Applications."

RESEARCH INTERESTS & COLLABORATIONS (2019-present)

- **Synthesis of Receptors for Molecular Recognition and Liquid-Liquid Separation in Aqueous Matrices**

  Valeria Amendola has focused extensively on designing purely organic receptors for the recognition and separation of target anions. Her approach leverages hydrogen-bond donors (such as N-H fragments from ureas, thioureas, amides, and protonated amine groups) and polarized C-H fragments (from imidazolium and alkyl-pyridinium) to enhance interaction with

anions. Thermodynamic studies using NMR, UV-vis, circular dichroism, and fluorimetry techniques on derivatives based on urea, thiourea, and squaramide provided insights into host-guest interactions. Additionally, conjugating fluorescent and chiral groups to donor units has led to new chemosensors for detecting anionic pollutants. By integrating H-bonding and electrostatic interactions, her team successfully achieved selective binding and sensing of the challenging $^{99}TcO_4^-$ in complex media, in collaboration with the CEA-Marcoule (France) on nuclear fuel reprocessing techniques.

- **Metal Complexes as Molecular Receptors, Chemosensors, and Extractants**
  Her research also explores polycyclic ligands capable of hosting dual metal centers, such as Cu(II) ions, with the spatial arrangement to trap specific analytes. Dinuclear complexes demonstrate receptor functionality, with selectivity adjustable through ligand structural modifications. Bistren cages and their dicopper(II) complexes, in particular, have been applied in the selective sensing of guests in water and for portable biomarker detection devices in urine samples. These studies, conducted in collaboration with the Mayo Clinic (USA) and the Universitat Politècnica de València (Spain), have shown that functionalizing receptor frameworks can lead to the development of innovative devices and materials for solid-liquid or liquid-liquid extraction of contaminants.

- **CO_2 Capture and Separation**
  Amendola's group is developing porous materials (organic cages and polymers) for CO_2 capture and separation from gaseous streams
  Applications include: the development of
    - (i) porous materials for the selective physisorption of gases
    - (ii) selective fillers for gas separation membranes

  Research works in collaboration with the University of Swansea and the Italian Institute for Membrane Technology (CNR-ITM).

PUBLICATIONS - METRICS

The research activity has produced **102 publications** and obtained more than **5800 total citations, h-index: 37** (Scopus, October 2024).

List of Publications

102. Longo, M., Mobili, R., Monteleone, M., La Cognata, S., Fuoco, A., Esposito, E., Boiocchi, M., Milanese, C., Armentano, D., Hajivand, P., Amendola, V., Jansen, J. C.
Metal-organic cages in polyimide and polyetheretherketone thin film composite mixed matrix membranes for gas separation
(2025) *Journal of Membrane Science,* 714, 123391
DOI: 10.1016/j.memsci.2024.123391

101. Mobili, R., Wu, Y., Bezuidenhout, C. X., La Cognata, S., Bracco, S., Carta, M., Amendola, V.
Novel CO2-Philic Porous Organic Polymers Synthesized in Water: A Leap towards Eco-Sustainability
(2024) *RSC Sustainability*, 2, pp. 3345-3352
DOI: 10.1039/D4SU00479E

100. Shanmugaraju, S., Elmes, R. B. P., Amendola, V.
Introduction to Supramolecular Sensors: From Molecules to Materials
(2024) *Sensors & Diagnostics*, 3, pp. 1767-1768
DOI:10.1039/D4SD90034K

99. Escamilla, P., Monteleone, M., Percoco, R.M., ... Pardo, E., Armentano, D.
BioMOF@PAN Mixed Matrix Membranes as Fast and Efficient Adsorbing Materials for Multiple Heavy Metals' Removal
(2024) *ACS Applied Materials and Interfaces*, 16(38), pp. 51182–51194
DOI: 10.1021/acsami.4c12363

98. La Cognata, S., Marie, C., Guilbaud, P., Poggi, A., Amendola, V.
Molecular Hosts for the Sensing and Separation of $^{99}TcO_4^-$
(2024) *Chemistry - A European Journal*, 30(42), e202401551
DOI: 10.1002/chem.202401551

97. Mobili, R., Preda, G., Dondi, D., ...Pasini, D., Amendola, V.
Triptycene-based diiron(ii) mesocates: spin-crossover in solution
(2024) Chemical Communications, 60, pp. 5522 - 5525
DOI: 10.1039/D4CC00812J

96. Preda, G., Mobili, R., Ravelli, D., Amendola, V., Pasini, D.
Homoconjugation and Tautomeric Isomerism in Triptycene-Fused Pyridylbenzimidazoles
(2024) Journal of Organic Chemistry, 89(8), pp. 5690–5698
DOI: 10.1021/acs.joc.4c00221

95. La Cognata, S., Amendola, V.
Recent applications of organic cages in sensing and separation processes in solution
(2023) Chemical Communications, 59(92), pp. 13668–13678
DOI: 10.1039/D3CC04522F

94. Mobili, R., La Cognata, S., Monteleone, M., Longo, M., Fuoco, A., Serapian, S.A., Vigani, B., Milanese, C., Armentano, D., Jansen, J.C., Amendola, V.
Gas Permeation through Mechanically Resistant Self-Standing Membranes of a Neat Amorphous Organic Cage
(2023) Chemistry - A European Journal, 29 (56), art. no. e202301437
DOI: 10.1002/chem.202301437

93. La Cognata, S., Armentano, D., Marchesi, N., Grisoli, P., Pascale, A., Kieffer, M., Taglietti, A., Davis, A.P., Amendola, V.
A Benzimidazolium-Based Organic Cage with Antimicrobial Activity
(2022) Chemistry (Switzerland), 4 (3), pp. 855-864.
DOI: 10.3390/chemistry4030061

92. Gazzola, V., Grisoli, P., Amendola, V., Dacarro, G., Mangano, C., Pallavicini, P., Poggi, A., Rossi, S., Vigani, B., Taglietti, A.
A Supramolecular Approach to Antimicrobial Surfaces
(2022) Molecules, 27 (17), art. no. 5731, .
DOI: 10.3390/molecules27175731

91. La Cognata, S., Mobili, R., Milanese, C., Boiocchi, M., Gaboardi, M., Armentano, D., Jansen, J.C., Monteleone, M., Antonangelo, A.R., Carta, M., Amendola, V.
CO2 Separation by Imide/Imine Organic Cages
(2022) Chemistry - A European Journal, 28 (49), art. no. e202201631
DOI: 10.1002/chem.202201631

90. Miele, D., Sorrenti, M., Catenacci, L., Minzioni, P., Marrubini, G., Amendola, V., Maestri, M., Giunchedi, P., Bonferoni, M.C.

Association of Indocyanine Green with Chitosan Oleate Coated PLGA Nanoparticles for Photodynamic Therapy
(2022) Pharmaceutics, 14 (8), art. no. 1740, .
DOI: 10.3390/pharmaceutics14081740

89. Mobili, R., Preda, G., La Cognata, S., Toma, L., Pasini, D., Amendola, V.
Chiroptical sensing of perrhenate in aqueous media by a chiral organic cage
(2022) Chemical Communications, 58 (24), pp. 3897-3900.
DOI: 10.1039/d2cc00612j

88. Mobili, R., Amendola, V.
Photophysics of transition metal complexes (2019-2020)
(2022) Photochemistry, 49, pp. 147-176.
DOI: 10.1039/9781839165269-00147

87. Monteleone, M., Mobili, R., Milanese, C., Esposito, E., Fuoco, A., La Cognata, S., Amendola, V., Jansen, J.C.
Peek–wc-based mixed matrix membranes containing polyimine cages for gas separation
(2021) Molecules, 26 (18), art. no. 5557, .
DOI: 10.3390/molecules26185557

86. Thevenet, A., Miljkovic, A., La Cognata, S., Marie, C., Tamain, C., Boubals, N., Mangano, C., Amendola, V., Guilbaud, P.
Syntheses and evaluation of new hydrophilic azacryptands used as masking agents of technetium in solvent extraction processes
(2021) Dalton Transactions, 50 (5), pp. 1620-1630.
DOI: 10.1039/d0dt04210b

85. Domínguez, M., Blandez, J.F., Lozano-Torres, B., de la Torre, C., Licchelli, M., Mangano, C., Amendola, V., Sancenón, F., Martínez-Máñez, R.
A Nanoprobe Based on Gated Mesoporous Silica Nanoparticles for The Selective and Sensitive Detection of Benzene Metabolite t,t-Muconic Acid in Urine
(2021) Chemistry - A European Journal, 27 (4), pp. 1306-1310.
DOI: 10.1002/chem.202004272

84. La Cognata, S., Mobili, R., Merlo, F., Speltini, A., Boiocchi, M., Recca, T., Maher, L.J., Amendola, V.
Sensing and liquid-liquid extraction of dicarboxylates using dicopper cryptates
(2020) ACS Omega, 5 (41), pp. 26573-26582.
DOI: 10.1021/acsomega.0c03337

83. La Cognata, S., Miljkovic, A., Mobili, R., Bergamaschi, G., Amendola, V.
Organic Cages as Building Blocks for Mechanically Interlocked Molecules: Towards Molecular Machines
(2020) ChemPlusChem, 85 (6), pp. 1145-1155.
DOI: 10.1002/cplu.202000274

82. Miljkovic, A., La Cognata, S., Bergamaschi, G., Freccero, M., Poggi, A., Amendola, V.
Towards building blocks for supramolecular architectures based on azacryptates
(2020) Molecules, 25 (7), art. no. 1733, .
DOI: 10.3390/molecules25071733

81. Thevenet, A., Marie, C., Tamain, C., Amendola, V., Miljkovic, A., Guillaumont, D., Boubals, N., Guilbaud, P.
Perrhenate and pertechnetate complexation by an azacryptand in nitric acid medium
(2020) Dalton Transactions, 49 (5), pp. 1446-1455.

DOI: 10.1039/c9dt04314d

80. Amendola, V.
Photophysics of transition metal complexes (2017-2018)
(2020) Photochemistry, 47, pp. 217-240.
DOI: 10.1039/9781788016520-00217

79. Aletti, A.B., Miljkovic, A., Toma, L., Bruno, R., Armentano, D., Gunnlaugsson, T., Bergamaschi, G., Amendola, V.
Halide-Controlled Extending-Shrinking Motion of a Covalent Cage
(2019) Journal of Organic Chemistry, 84 (7), pp. 4221-4228.
DOI: 10.1021/acs.joc.9b00219

78. Nadai, M., Doria, F., Scalabrin, M., Pirota, V., Grande, V., Bergamaschi, G., Amendola, V., Winnerdy, F.R., Phan, A.T., Richter, S.N., Freccero, M.
A Catalytic and Selective Scissoring Molecular Tool for Quadruplex Nucleic Acids
(2018) Journal of the American Chemical Society, 140 (44), pp. 14528-14532.
DOI: 10.1021/jacs.8b05337

77. Amendola, V., Bergamaschi, G., Miljkovic, A.
Azacryptands as molecular cages for anions and metal ions
(2018) Supramolecular Chemistry, 30 (4), pp. 236-242.
DOI: 10.1080/10610278.2017.1339885

76. Amendola, V., Miljkovic, A., Legnani, L., Toma, L., Dondi, D., Lazzaroni, S.
Self-Assembly of Pseudorotaxane Structures from a Dicopper(II) Molecular Cage and Dicarboxylate Axles
(2018) Inorganic Chemistry, 57 (7), pp. 3540-3547.
DOI: 10.1021/acs.inorgchem.7b02534

75. Amendola, V., Boiocchi, M., Fabbrizzi, L., La Cognata, S., Legnani, L., Lo Presti, E., Mangano, C., Miljkovic, A.
Anion-induced isomerization of fluorescent semi(thio)carbazones
(2018) Organic Chemistry Frontiers, 5 (3), pp. 391-397.
DOI: 10.1039/c7qo00805h

74. Amendola, V.
Photophysics of transition metal complexes
(2018) Photochemistry, 45, pp. 133-161.
DOI: 10.1039/9781788010696-00133

73. Amendola, V., Bergamaschi, G.
Photochemical and photocatalytic properties of transition metal compounds
(2018) Photochemistry, 45, pp. 101-132.
DOI: 10.1039/9781788010696-00101

72. Merli, D., La Cognata, S., Balduzzi, F., Miljkovic, A., Toma, L., Amendola, V.
A smart supramolecular device for the detection of t,t-muconic acid in urine
(2018) New Journal of Chemistry, 42 (18), pp. 15460-15465.
DOI: 10.1039/c8nj02156b

71. Amendola, V., Bergamaschi, G., Guglielmo, L., Izzo, L., Mangano, C., Mella, M., Milanese, C., Miljkovic, A.
Dicopper(II) MozobilTM: a dinuclear receptor for the pyrophosphate anion in aqueous solution

(2017) Supramolecular Chemistry, 29 (11), pp. 834-845.
DOI: 10.1080/10610278.2017.1373194

70. Amendola, V., Bergamaschi, G., Dacarro, G., Denat, F., Boschetti, F., Nikolantonaki, M., Gougeon, R., D'Alessio, G., Viaux, A.-S., Bertheau, L., Guyot, S., Sok, N., Pallavicini, P.
An Off–On–Off Fluorescent Sensor for pH Windows Based on the 13aneN4–Zn2+System
(2016) European Journal of Inorganic Chemistry, 2016 (32), pp. 5106-5113.
DOI: 10.1002/ejic.201600749

69. Amendola, V., Bergamaschi, G., Boiocchi, M., Legnani, L., Presti, E.L., Miljkovic, A., Monzani, E., Pancotti, F.
Chloride-binding in organic-water mixtures: The powerful synergy of C-H donor groups within a bowl-shaped cavity
(2016) Chemical Communications, 52 (72), pp. 10910-10913.
DOI: 10.1039/c6cc04978h

68. Amendola, V., Bergamaschi, G., Boiocchi, M., Fusco, N., La Rocca, M.V., Linati, L., Lo Presti, E., Mella, M., Metrangolo, P., Miljkovic, A.
Novel hydrogen- and halogen-bonding anion receptors based on 3-iodopyridinium units
(2016) RSC Advances, 6 (72), pp. 67540-67549.
DOI: 10.1039/c6ra14703h

67. Pallavicini, P., Amendola, V., Bergamaschi, G., Cabrini, E., Dacarro, G., Rossi, N., Taglietti, A.
A bistren cryptand with a remote thioether function: Cu(II) complexation in solution and on the surface of gold nanostars
(2016) New Journal of Chemistry, 40 (7), pp. 5722-5730.
DOI: 10.1039/c5nj03175c

66. Amendola, V., Bergamaschi, G., Fabbrizzi, L., Licchelli, M., Mangano, C.
The interaction of Mozobil™ with carboxylates
(2016) Organic and Biomolecular Chemistry, 14 (3), pp. 905-912.
DOI: 10.1039/c5ob01704a

65. Amendola, V., Bergamaschi, G., Licchelli, M.
Photochemical and photocatalytic properties of transition metal compounds
(2016) Photochemistry, 43, pp. 103-147.
DOI: 10.1039/9781782622772-00103

64. Alibrandi, G., Amendola, V., Bergamaschi, G., Fabbrizzi, L., Licchelli, M.
Bistren cryptands and cryptates: Versatile receptors for anion inclusion and recognition in water
(2015) Organic and Biomolecular Chemistry, 13 (12), pp. 3510-3524.
DOI: 10.1039/c4ob02618g

63. Doria, F., Amendola, V., Grande, V., Bergamaschi, G., Freccero, M.
Naphthalene diimides as selective naked-eye chemosensor for copper(II) in aqueous solution
(2015) Sensors and Actuators, B: Chemical, 212, pp. 137-144.
DOI: 10.1016/j.snb.2015.01.113

62. Amendola, V., Boiocchi, M., Fabbrizzi, L., Fusco, N., Valeri, E.
The disproportionation of [Ni(tacn)]2+ in Ni2+ and [Ni(tacn)2]2+ crystallographically demonstrated (tacn=1,4,7-triazacyclononane)
(2014) Chemistry - A European Journal, 20 (38), pp. 11994-11998.
DOI: 10.1002/chem.201403969

61. Bergamaschi, G., Boiocchi, M., Perrone, M.L., Poggi, A., Viviani, I., Amendola, V.
Mixing the spacers in azacryptands: Effects on halide recognition
(2014) Dalton Transactions, 43 (29), pp. 11352-11360.
DOI: 10.1039/c4dt00886c

60. Amendola, V., Bergamaschi, G., Boiocchi, M., Alberto, R., Braband, H.
Fluorescent sensing of 99Tc pertechnetate in water
(2014) Chemical Science, 5 (5), pp. 1820-1826.
DOI: 10.1039/c3sc53504e

59. Alberti, G., Amendola, V., Bergamaschi, G., Colleoni, R., Milanese, C., Biesuz, R.
Supramolecular receptors in solid phase: Developing sensors for anionic radionuclides
(2013) Dalton Transactions, 42 (17), pp. 6227-6234.
DOI: 10.1039/c2dt32211k

58. Amendola, V., Bergamaschi, G., Boiocchi, M., Fabbrizzi, L., Mosca, L.
The interaction of fluoride with fluorogenic ureas: An ON 1-OFF-ON2 response
(2013) Journal of the American Chemical Society, 135 (16), pp. 6345-6355.
DOI: 10.1021/ja4019786

57. Alibrandi, G., Amendola, V., Bergamaschi, G., Dollenz, R., Fabbrizzi, L., Licchelli, M., Lo Vecchio, C.
An automatic molecular dispenser of chloride
(2013) Chemistry - A European Journal, 19 (11), pp. 3729-3734.
DOI: 10.1002/chem.201203933

56. Alberto, R., Bergamaschi, G., Braband, H., Fox, T., Amendola, V.
99TcO 4 -: Selective recognition and trapping in aqueous solution
(2012) Angewandte Chemie - International Edition, 51 (39), pp. 9772-9776.
DOI: 10.1002/anie.201205313

55. Amendola, V., Alberti, G., Bergamaschi, G., Biesuz, R., Boiocchi, M., Ferrito, S., Schmidtchen, F.-P.
Cavity effect on perrhenate recognition by polyammonium cages
(2012) European Journal of Inorganic Chemistry, (21), pp. 3410-3417.
DOI: 10.1002/ejic.201200334

54. Alberti, G., Amendola, V., Pesavento, M., Biesuz, R.
Beyond the synthesis of novel solid phases: Review on modelling of sorption phenomena
(2012) Coordination Chemistry Reviews, 256 (1-2), pp. 28-45.
DOI: 10.1016/j.ccr.2011.08.022

53. Bergamaschi, G., Boiocchi, M., Monzani, E., Amendola, V.
Pyridinium/urea-based anion receptor: Methine formation in the presence of basic anions
(2011) Organic and Biomolecular Chemistry, 9 (24), pp. 8276-8283.
DOI: 10.1039/c1ob06193c

52. Amendola, V., Fabbrizzi, L., Licchelli, M., Taglietti, A.
Anion Sensing by Fluorescence Quenching or Revival
(2011) Anion Coordination Chemistry, pp. 521-552.
DOI: 10.1002/9783527639502.ch9

51. Amendola, V., Boiocchi, M., Fabbrizzi, L., Fusco, N.
Putting the anion into the cage-fluoride inclusion in the smallest trisimidazolium macrotricycle
(2011) European Journal of Organic Chemistry, (32), pp. 6434-6444.
DOI: 10.1002/ejoc.201100902

50. Amendola, V., Bergamaschi, G., Boiocchi, M., Fabbrizzi, L., Fusco, N.
The solution stability of copper(i) and silver(i) complexes with N-heterocyclic carbenes
(2011) Dalton Transactions, 40 (33), pp. 8367-8376.
DOI: 10.1039/c1dt10894h

49. Amendola, V., Bonizzoni, M., Fabbrizzi, L.
Ion Translocation within Multisite Receptors
(2011) Molecular Switches, Second Edition, 1, pp. 361-398.
DOI: 10.1002/9783527634408.ch11

48. Amendola, V., Fabbrizzi, L., Mosca, L., Schmidtchen, F.-P.
Urea-, squaramide-, and sulfonamide-based anion receptors: A thermodynamic study
(2011) Chemistry - A European Journal, 17 (21), pp. 5972-5981.
DOI: 10.1002/chem.201003411
47. Amendola, V., Fabbrizzi, L., Mosca, L.
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