# Armando Reyes Villena MuÃ±oz

## List of Publications by Year
in descending order

| | | |
|---|---|---|
| 78<br>papers | 721<br>citations | 687363<br>13<br>h-index | 610901<br>24<br>g-index |
| 79<br>all docs | 79<br>docs citations | 79<br>times ranked | 143<br>citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Maps preserving zero products. Studia Mathematica, 2009, 193, 131-159. | 0.7 | 96 |
| 2 | The structure of Lie derivations on Câˆ—-algebras. Journal of Functional Analysis, 2003, 202, 504-525. | 1.4 | 68 |
| 3 | Characterizing homomorphisms and derivations on C*-algebras. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2007, 137, 1-7. | 1.2 | 51 |
| 4 | Lie Derivations on Banach Algebras. Journal of Algebra, 2000, 226, 390-409. | 0.7 | 47 |
| 5 | Characterizing Jordan maps on <i>C</i>*-algebras through zero products. Proceedings of the Edinburgh Mathematical Society, 2010, 53, 543-555. | 0.3 | 40 |
| 6 | The Noncommutative Singer-Wermer Conjecture and Ï•-Derivations. Journal of the London Mathematical Society, 2002, 66, 710-720. | 1.0 | 34 |
| 7 | Continuity of Lie derivations on Banach algebras. Proceedings of the Edinburgh Mathematical Society, 1998, 41, 625-630. | 0.3 | 20 |
| 8 | NUMERICAL INDEX AND THE DAUGAVET PROPERTY FOR $L_\infty(mu,X)$. Proceedings of the Edinburgh Mathematical Society, 2003, 46, 415-420. | 0.3 | 20 |
| 9 | The strong degree of von Neumann algebras and the structure of Lie and Jordan derivations. Mathematical Proceedings of the Cambridge Philosophical Society, 2004, 137, 441-463. | 0.4 | 18 |
| 10 | Continuity of Lie Isomorphisms of Banach Algebras. Bulletin of the London Mathematical Society, 1999, 31, 6-10. | 0.8 | 17 |
| 11 | Orthogonality preserving linear maps on group algebras. Mathematical Proceedings of the Cambridge Philosophical Society, 2015, 158, 493-504. | 0.4 | 17 |
| 12 | Symmetric amenability and Lie derivations. Mathematical Proceedings of the Cambridge Philosophical Society, 2004, 137, 433-439. | 0.4 | 16 |
| 13 | Derivations on Jordan-Banach algebras. Studia Mathematica, 1996, 118, 205-229. | 0.7 | 16 |
| 14 | Approximately zero-product-preserving maps. Israel Journal of Mathematics, 2010, 178, 1-28. | 0.8 | 14 |
| 15 | On bilinear maps determined by rank one idempotents. Linear Algebra and Its Applications, 2010, 432, 738-743. | 0.9 | 14 |
| 16 | Zero product preserving maps on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>C</mml:mi><mml:mn>1</mml:mn></mml:msup><mml:mo stretchy="false">[</mml:mo><mml:mn>0</mml:mn><mml:mo>,</mml:mo><mml:mn>1</mml:mn><mml:mo stretchy="false">]</mml:mo></mml:math>. Journal of Mathematical Analysis and Applications, 2008, 347, 472-481. | 1.0 | 13 |
| 17 | Approximately spectrum-preserving maps. Journal of Functional Analysis, 2011, 261, 233-266. | 1.4 | 11 |
| 18 | COMMUTATORS AND SQUARE-ZERO ELEMENTS IN BANACH ALGEBRAS. Quarterly Journal of Mathematics, 2016, 67, 1-13. | 0.8 | 11 |

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|---|---------|-----|-----------|
| 19 | Continuity of Lie mappings of the skew elements of Banach algebras with involution. Proceedings of the American Mathematical Society, 1998, 126, 2717-2720. | 0.8 | 9 |
| 20 | Zero product preserving maps on Banach algebras of Lipschitz functions. Journal of Mathematical Analysis and Applications, 2010, 369, 94-100. | 1.0 | 9 |
| 21 | Orthogonally Additive Polynomials and Orthosymmetric Maps in Banach Algebras with Properties ? and ?. Proceedings of the Edinburgh Mathematical Society, 2016, 59, 559-568. | 0.3 | 9 |
| 22 | FUNCTIONAL IDENTITIES IN JORDAN ALGEBRAS: ASSOCIATING MAPS. Communications in Algebra, 2002, 30, 5241-5252. | 0.6 | 8 |
| 23 | Continuity of Derivations, Intertwining Maps, and Cocycles from Banach Algebras. Journal of the London Mathematical Society, 2001, 63, 215-225. | 1.0 | 7 |
| 24 | Multiplicative-Semiprimeness of Nondegenerate Jordan Algebras. Communications in Algebra, 2004, 32, 3995-4003. | 0.6 | 7 |
| 25 | Hyperreflexivity of the derivation space of some group algebras. Mathematische Zeitschrift, 2010, 266, 571-582. | 0.9 | 7 |
| 26 | Hyperreflexivity of the derivation space of some group algebras, II. Bulletin of the London Mathematical Society, 2012, 44, 323-335. | 0.8 | 7 |
| 27 | Orthogonally additive polynomials on Fourier algebras. Journal of Mathematical Analysis and Applications, 2015, 422, 72-83. | 1.0 | 7 |
| 28 | Operators determining the complete norm topology of C(K). Studia Mathematica, 1997, 124, 155-160. | 0.7 | 7 |
| 29 | Zero Lie product determined Banach algebras. Studia Mathematica, 2017, 239, 189-199. | 0.7 | 7 |
| 30 | Essentially defined derivations on semisimple Banach algebras. Proceedings of the Edinburgh Mathematical Society, 1997, 40, 175-179. | 0.3 | 6 |
| 31 | UNIQUENESS OF THE TOPOLOGY ON SPACES OF VECTOR-VALUED FUNCTIONS. Journal of the London Mathematical Society, 2001, 64, 445-456. | 1.0 | 6 |
| 32 | Orthogonally additive polynomials on Banach function algebras. Journal of Mathematical Analysis and Applications, 2017, 448, 447-472. | 1.0 | 6 |
| 33 | Functional Identities in Jordan Algebras: Associating Traces and Lie Triple Isomorphisms. Communications in Algebra, 2003, 31, 1207-1234. | 0.6 | 5 |
| 34 | Invariant functionals and the uniqueness of invariant norms. Journal of Functional Analysis, 2004, 215, 366-398. | 1.4 | 5 |
| 35 | Derivations preserving quasinilpotent elements. Bulletin of the London Mathematical Society, 2014, 46, 379-384. | 0.8 | 5 |
| 36 | Uniqueness of the topology on L1(G). Studia Mathematica, 2002, 150, 163-173. | 0.7 | 5 |

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|---|---------|----|-----------|
| 37 | Continuity of Derivations on H âˆ— -Algebras. Proceedings of the American Mathematical Society, 1994, 122, 821. | 0.8 | 4 |
| 38 | Stochastic Continuity of Random Derivations on H âˆ— -Algebras. Proceedings of the American Mathematical Society, 1995, 123, 785. | 0.8 | 4 |
| 39 | Derivations with a Hereditary Domain. Journal of the London Mathematical Society, 1998, 57, 469-477. | 1.0 | 4 |
| 40 | Uniqueness of norm on Lp(G) and C(G) when G is a compact group. Journal of Functional Analysis, 2003, 197, 212-227. | 1.4 | 4 |
| 41 | Metric versions of Herstein's theorems on Jordan maps. Linear and Multilinear Algebra, 2012, 60, 941-954. | 1.0 | 4 |
| 42 | Lie triple ideals and Lie triple epimorphisms on Jordan and Jordanâ€"Banach algebras. Studia Mathematica, 2005, 169, 207-228. | 0.7 | 4 |
| 43 | Continuity of Random Derivations. Proceedings of the American Mathematical Society, 1995, 123, 107. | 0.8 | 4 |
| 44 | A note on the path holomorphy of random functions holomorphic in mean. Proceedings of the American Mathematical Society, 1997, 125, 1751-1754. | 0.8 | 3 |
| 45 | Derivations on Banach Pairs. Rocky Mountain Journal of Mathematics, 1998, 28, . | 0.4 | 3 |
| 46 | Elements in a commutative Banach algebra determining the norm topology. Proceedings of the American Mathematical Society, 2000, 129, 1057-1064. | 0.8 | 3 |
| 47 | Applications of Kadison's property <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.c om/ | 1.0 | 3 |
| 48 | Determining elements inCâˆ—-algebras through spectral properties. Journal of Mathematical Analysis and Applications, 2013, 405, 214-219. | 1.0 | 3 |
| 49 | Derivations with a hereditary domain, II. Studia Mathematica, 1998, 130, 275-291. | 0.7 | 3 |
| 50 | The range of a derivation on a Jordanâ€"Banach algebra. Studia Mathematica, 2001, 146, 177-200. | 0.7 | 3 |
| 51 | On the range of a lie derivation on a banach algebra. Communications in Algebra, 2000, 28, 1045-1050. | 0.6 | 2 |
| 52 | A LOCAL PROPERTY OF DERIVATIONS ON JORDANâ€"BANACH ALGEBRAS. Communications in Algebra, 2001, 29, 1295-1300. | 0.6 | 2 |
| 53 | Continuity of Operators Intertwining with Convolution Operators. Journal of Functional Analysis, 2002, 196, 155-161. | 1.4 | 2 |
| 54 | EPIMORPHISMS ONTO DERIVATION ALGEBRAS. Proceedings of the Edinburgh Mathematical Society, 2003, 46, 379-382. | 0.3 | 2 |

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|---|---------|----|-----------|
| 55 | Separating ideals in group algebras. Quarterly Journal of Mathematics, 2004, 55, 303-305. | 0.8 | 2 |
| 56 | Uniqueness of dilation invariant norms. Proceedings of the American Mathematical Society, 2004, 132, 2067-2073. | 0.8 | 2 |
| 57 | Maps preserving zeros of a polynomial. Linear Algebra and Its Applications, 2012, 436, 2504-2512. | 0.9 | 2 |
| 58 | A note on spectrum-preserving maps. Journal of Mathematical Analysis and Applications, 2012, 387, 595-603. | 1.0 | 2 |
| 59 | Spectral preservers and approximate spectral preservers on operator algebras. Linear Algebra and Its Applications, 2016, 496, 36-70. | 0.9 | 2 |
| 60 | A Random Banach-Steinhaus Theorem. Proceedings of the American Mathematical Society, 1995, 123, 2489. | 0.8 | 2 |
| 61 | Random commutation. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 1997, 107, 201-212. | 0.1 | 1 |
| 62 | Like Vanishing Holomorphic Random Functions. Rocky Mountain Journal of Mathematics, 1998, 28, 657. | 0.4 | 1 |
| 63 | Semisimple Banach algebras generated by compact groups of operators on a Banach space. Journal of Mathematical Analysis and Applications, 2007, 325, 353-358. | 1.0 | 1 |
| 64 | Disjointness-preserving linear maps on Banach function algebras associated with a locally compact group. Annals of Functional Analysis, 2016, 7, 442-451. | 0.8 | 1 |
| 65 | A NOTE ON THE CONTINUITY OF OPERATORS INTERTWINING WITH CONVOLUTION OPERATORS. Taiwanese Journal of Mathematics, 2008, 12, . | 0.4 | 1 |
| 66 | Norm attaining bilinear forms on C*-algebras. Studia Mathematica, 2003, 157, 47-56. | 0.7 | 1 |
| 67 | Uniqueness of rotation invariant norms. Banach Journal of Mathematical Analysis, 2009, 3, 85-98. | 0.8 | 1 |
| 68 | Continuity of homomorphism pairs into H *-triple systems. Proceedings of the Indian Academy of Sciences - Section A, 1996, 106, 79-90. | 0.2 | 0 |
| 69 | Ring Isomorphisms of H*-Algebras. Journal of Algebra, 1996, 181, 329-346. | 0.7 | 0 |
| 70 | Path Regularity and Regularity in Mean of 1st Order Processes. Journal of Theoretical Probability, 1998, 11, 435-442. | 0.8 | 0 |
| 71 | Differential equations related to the Williams-Bjerknes tumour model. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2000, 110, 323-334. | 0.1 | 0 |
| 72 | SEMISIMPLE BANACH ALGEBRAS GENERATED BY STRONGLY CONTINUOUS REPRESENTATIONS OF MOORE GROUPS. Quarterly Journal of Mathematics, 2007, 59, 137-147. | 0.8 | 0 |

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|---|---------|-----|-----------|
| 73 | Stability of commuting maps and Lie maps. Studia Mathematica, 2012, 213, 25-48. | 0.7 | 0 |
| 74 | Orthogonally additive polynomials on non-commutative $$L^p$$-spaces. Revista Matematica Complutense, 2020, 33, 835-858. | 1.2 | 0 |
| 75 | Automatic continuity of operators commuting with translations. Studia Mathematica, 2006, 173, 259-293. | 0.7 | 0 |
| 76 | Operators shrinking the Arveson spectrum. Publicationes Mathematicae, 2012, 80, 235-254. | 0.2 | 0 |
| 77 | METRIC VERSIONS OF POSNERâ€™S THEOREMS. Taiwanese Journal of Mathematics, 2012, 16, . | 0.4 | 0 |
| 78 | Random Jordan Derivations. , 1994, , 389-394. | | 0 |