

Bibliography

Carlos E. Kenig

- [1.] (with Porta, H.) Weak continuity of Banach algebra products, *Bull. AMS* **81** (1975), 605-608.
- [2.] (with Porta, H.) Weak star and bounded weak star continuity of Banach algebra products, *Studia Math.* **59** (1976), 107-124.
- [3.] (with Tomas, P. A.) Maximal operators defined by Fourier multipliers, *Studia Math.* **68** (1980), 79-83.
- [4.] (with Tomas, P. A.) The weak behavior of spherical means, *Proc. AMS*, **78** (1980), 48-50.
- [5.] (with Tomas, P. A.) On conjectures of Riviere and Strichartz, *Bull. AMS*, vol. **1**, No. **4** (1970), 694-697.
- [6.] Weighted H_p spaces on Lipschitz domains, *Amer. Jour. of Math.* **102** (1980), 129-163.
- [7.] Weighted Hardy spaces on Lipschitz domains, *Proc. of Symp. Pure Math.*, Vol. **34** (1979), 263-274.
- [8.] (with Fabes, E. B.) On the Hardy space H^1 of a C^1 domain, *Arkiv for Matematik*, Vol. **19** (1981), 1-22.
- [9.] (with Jerison, D. S.) An identity with applications to harmonic measure, *Bull. AMS*, Vol. **2**, No. **3** (1980), 447-451.
- [10.] (with Fabes, E. B. and Neri, U.) Carleson measures, H^1 duality and weighted BMO in nonsmooth domains, *Indiana U. Math. Journal*, Vol. **30** (1981), 547-581.
- [11.] (with Tomas, P. A.) L_p behavior of certain second order differential operators, *Trans. Amer. Math. Soc.*, Vol. **262** (1980), 521-531.
- [12.] (with Jerison, D. S.) The Dirichlet problem in non-smooth domains, *Annals of Math.* **113** (1981), 367-382.
- [13.] (with Caffarelli, L. A. and Fabes, E. B.) Completely singular elliptic harmonic measures, *Indiana U. Math. Journal*, Vol. **30**, No. **6** (1981), 917-924.
- [14.] (with Jerison, D. S.) Boundary value problems on Lipschitz domains, *MAA studies in Math.* **23**, *Studies in Partial Differential Equations*, W. Littman, Editor (1982), 1-68.
- [15.] (with Jerison, D. S.) Boundary behavior of harmonic functions in nontangentially accessible domains, *Advances in Math.*, Vol. **46** (1982), 80-147.

- [16.] (with Jerison, D. S.) The Neumann problem on Lipschitz domains, *Bull, AMS*, Vol. **4** (1981), 203-207.
- [17.] (with Jerison, D. S.) Hardy spaces, A^∞ and singular integrals on chord arch domains, *Math. Scandinavica*, Vol. **50** (1982), 221-247.
- [18.] (with Fabes, E. and Serapioni, R.) The local regularity of solutions of degenerate elliptic equations, *Communications in Partial Differential Equations*, **7** (1) (1982), 77-116.
- [19.] (with Cwikel, M. and Fabes, E.) On the lack of L^∞ estimates for solutions of elliptic systems or equations with complex coefficients, *Proceedings of the conference in harmonic analysis in honor of A. Zygmund's 80th birthday, Wadsworth International Group* (1982), 557-589.
- [20.] (with Fabes, E. B. and Jerison, D. S.) Boundary behavior of solutions to degenerate elliptic equations, *Proceedings of the conference in harmonic analysis in honor of A. Zygmund's 80th birthday, Wadsworth International Group* (1982), 557-589.
- [21.] (with Dahlberg B.) A note on the almost everywhere behavior of the solutions to the Schrödinger equation. *Proceedings of the Italian-American Harmonic Analysis Meeting at Minnesota, Springer-Verlag Lecture Notes in Math.* **908** (1982), 205-208.
- [22.] (with Fabes, E. B.) Examples of singular parabolic measures and singular transition probability densities, *Duke Math. Journal* **48** (1981), 845-856.
- [23.] (with Fabes, E. B. and Jerison, D. S.) The Wiener test for degenerate elliptic equations, *Annales de L'Institut Fourier de Grenoble*, **32** (1982), 151-182.
- [24.] (with Stanton, R. and Tomas, P. A.) Divergence of eigenfunction expansions, *Journal of Functional Analysis* **46** (1982), 28-44.
- [25.] (with Webster, S. M.) The local hull of holomorphy of a surface in the space of two complex variables, *Invent. math.* **67** (1982), 1-21.
- [26.] (with Jerison, D. S.) The logarithm of the Poisson Kernel for a C^1 domain has vanishing mean oscillation, *Trans. AMS.*, Vol. **273** (1982), 781-794.
- [27.] (with Ni, W. M.) On the existence and boundary behavior of solutions to a class of non-linear Dirichlet problems, *Proc. AMS.* **89** (1983), 254-258.
- [28.] (with Jodeit, M. and Shaw R.) 'Integration' of singular integrals of integrable functions and extensions of Stein's $L \log L$ results, *Indiana U. Math. Jour.*, Vol. **32**, No. **6** (1983), 859-877.
- [29.] (with Ni, W. M.) the exterior Dirichlet problem for a class of degenerate elliptic equations, with applications to a non-linear problem in geometry, *Amer. Jour. of Math.*, Vol. **106** (1983), 689-702.
- [30.] (with Ruiz, A.) A strong type (2,2) estimate for a maximal operator associated to the Schrödinger operator, *Trans. AMS.*, Vol. **280** (1983), 239-246.

- [31.] (with Dahlberg, B. E. J. and Jerison, D. S.) Area integral estimates for elliptic differential operators with non-smooth coefficients, *Arkiv for Matematik*, Vol. **22** (1984), 97-108.
- [32.] (with Fabes, E. B. and Jerison, D. S.) Multilinear Littlewood-Paley estimates with applications to partial differential equations, *Proc. Nat. Acad. of Sciences (U.S.A)*, Vol. **79** (1982), 5746-5750.
- [33.] (with Fabes, E. B. and Jerison, D. S.) Necessary and sufficient conditions for the absolute continuity of elliptic-harmonic measure, *Annals of Math.* **119** (1984), 121-141.
- [34.] (with Fabes, E. B. and Jerison D. S.) Multilinear square functions and partial differential equations, *American Journal of Math.*, **107** (1985), 1325-1367.
- [35.] (with Dahlberg, B. E. J. and Fabes, E. B.) A Fatou theorem for solutions of the porous medium equation, *Proc. AMS.*, Vol. **91** (1984), 205-212.
- [36.] (with Dahlberg, B. E. J.) Nonnegative solutions of the porous medium equation, *Communications in Partial Differential Equations*, **9 (5)** (1984), 409-437.
- [37.] (with Webster, S. M.) On the hull of holomorphy of n-manifolds in C^n , *Annali della Scuola Normale Superiore, Pisa, Ser. IV*, Vol. **XI** (1984), 262-280.
- [38.] Boundary value problems of linear elastostatics and hydrostatics on Lipschitz domains, *Seminaire Goulaouic-Meyer-Schwartz*, 1983-1984, *Ecole Polytechnique, Palaiseau, Expose No. XXI* (1984), XXI.1-XXI.12.
- [39.] (with Meyer, Y.) The Cauchy integral on Lipschitz curves and the square root of second order differential operators are the same, Recent progress in Fourier Analysis, *North Holland, Mathematics Studies*, Vol. **111** (1985), 123-145.
- [40.] (with Jerison, D. S.) Unique continuation and absence of positive eigenvalues for Schrödinger operators. *Annals of Math.* **121** (1985), 463-494.
- [41.] Recent progress on boundary-value problems on Lipschitz domains, *Proc. of Symp. in Pure Math.*, Vol **43** (1985), 175-205.
- [42.] The Dirichlet problem for the biharmonic equations in a Lipschitz domain, *Seminaire Bony-Sjostrand-Meyer* (1984-1985), *Expose No. XIX*, XIX-1-XIX-6.
- [43.] Boundary value problems on Lipschitz domains, *Proceedings of the College de France Seminar in Partial Differential Equations*, *Pitman Research Notes in Math. Series*, Vol. **166** (1985), 132-140.
- [44.] Continuation theorems for Schrödinger operators, *Proceedings of the Workshop on Metastability and Incompletely Posed Problems*, *Institute of Mathematics and its Applications*, Vol. **3** (1987), *Springer-Verlag*, 177-186.
- [45.] Elliptic boundary value problems on Lipschitz domains, *Beijing Lectures in Harmonic Analysis*, *Annals of Math. Studies*, Vol. **112**, *Princeton University Press* (1986), 131-183.

- [46.] (with Dahlberg, B. E. J.) The L_p Neumann problem for Laplace's equation on Lipschitz domains, *Annals of Math.* **125** (1987), 437-465.
- [47.] (with Dahlberg, B. E. J. and Verchota G. C.) The Dirichlet problem for the bi Laplacian on Lipschitz domains, *Annales de l'Institut Fourier de Grenoble*, **36** (1986), 109-135.
- [48.] (with Ni, W. M.) On the elliptic equation $Lu - k + Ke^{2u} = 0$, *Annali della Scuola Normale Superiore, Pisa, Serie IV, Vol. XII* (1985), 191-224.
- [49.] (with Fabes, E. and Verchota, G.) Boundary value problems for the Stokes system on Lipschitz domains, *Duke Math. J.*, **57** (1988), 769-794.
- [50.] (with Ruiz, A. and Sogge, C.) Remarks on unique continuation theorems, *Seminarios, Universidad Autonoma de Madrid, Vol. 3* (1986), 89-96.
- [51.] (with Barcelo, B., Ruiz, A. and Sogge, C.) Unique continuation properties for solutions of inequalities between the Laplacian and the gradient, *III. J. of Math. Vol. 32 No. 2* (1988), 230-245.
- [52.] (with Ruiz, A., and Sogge, C.) Uniform Sobolev inequalities and unique continuation for second order constant coefficient operators, *Duke Math. J.* **55** (1987), 329-347.
- [53.] Carleman estimates, uniform Sobolev inequalities for second order differential operators and unique continuation theorems, *Proceedings of the International Congress of Mathematicians, Berkeley* (1986), 948-960.
- [54.] (with Pipher, J.) Hardy spaces and the Dirichlet problem on Lipschitz domains, *Revista matematica Iberoamericana, Vol. 3* (1987), 191-248.
- [55.] (with Pipher, J.) The oblique derivative problem on Lipschitz domains with L_p data, *Amer. J. of Math.*, Vol. **110**, No. **4** (1988), 715-738.
- [56.] (with Dahlberg, B. E. J.) Non-negative solutions of generalized porous medium equations, *Revista Matematica Iberoamericana, Vol. 2* (1986), 267-305.
- [57.] (with Dahlberg, B. E. J.) Non-negative solutions of the initial Dirichlet problem for generalized porous medium equations in cylinders, *Journal of the AMS, Vol. 1, No. 2* (1988), 401-412.
- [58.] (with C. Sogge) A note on unique continuation for Schrödinger's operator, *Proc. AMS*, Vol. **103** (1988), 543-546.
- [59.] Restriction theorems, Carleman estimates, uniform Sobolev inequalities and unique continuation. *Proc. of El Escorial Conference in Harmonic analysis, Springer-Verlag Lecture Notes in Math.* **1384** (1989), 69-90.
- [60.] (with J. Pipher) The h -path distribution of the lifetime of conditioned Brownian motion for non-smooth domains, *Probability Theory and Related Fields*, **82** (1989), 69-90.

- [61.] (with B. Dahlberg and G. Verchota) Boundary value problems for the systems of elastostatics in Lipschitz domains, *Duke Math. J.*, **57** (1988), 795-818.
- [62.] (with B. Dahlberg) Weak solutions of the porous medium equation, *T.A.M.S.*, Vol. **336** (1993), 711-725.
- [63.] (with B. Dahlberg) Weak solutions of the porous medium equation in cylinders, *T.A.M.S.*, Vol. **336** (1993), 701-710.
- [64.] (with B. Dahlberg) Non-negative solutions to fast diffusions, *Revista Matemática Iberoamericana*, Vol. **4** (1988), 11-30.
- [65.] (with B. Dahlberg, J. Pipher and G. Verchota) Area integral estimates and maximum principles for higher order elliptic equations and systems on Lipschitz domains, *Annales de l'Institut Fourier de Grenoble*, Vol. **47** (1997), 1425-1461.
- [66.] (with Dahlberg) L_p estimates for the 3 dimensional systems of elastostatics on Lipschitz domains, *Proc. Conference in honor of M. Cotlar, M. Decker, Lecture Notes in Pure and Applied Mathematics*, Vol. **122** (1990), 621-634.
- [67.] (with D. Jerison) The square root of the Laplacian on Lipschitz domains, *Saint-Jean-de-Monts, J. 'Equations aux dérivées partielles', Soc. Mat. de France* (1990), IV-1 - IV-10.
- [68.] (with R. Fefferman and J. Pipher) The theory of weights and the Dirichlet problem for elliptic equations, *Annals of Math.* **134** (1991), 65-124.
- [69.] Progress on two problems posed by Riviere, *Proc. of Florida Atlantic University Conference on Harmonic Analysis and P.D.E., Contemporary Math., AMS*, Vol. **10** (1990), 101-108.
- [70.] (with G. Ponce and L. Vega) On the (generalized) Korteweg-de-Vries equation, *Duke Math. J.* **59** (1989), 585-610.
- [71.] (with G. Ponce and L. Vega) Oscillatory integrals and regularity of dispersive equations, *Indiana University Math. J.* **40** (1991), 33-69.
- [72.] Boundary value problems for elliptic equations, *Publicacions Matemàtiques*, Vol. **35** (1991), 281-289.
- [73.] (with G. Ponce and L. Vega) The initial value problem for a class of nonlinear dispersive equations, *Functional Analytical Methods for Partial Differential Equations, Lecture Notes in Math., Springer-Verlag*, Vol. **1450** (1989), 141-156.
- [74.] (with G. Ponce and L. Vega) Well posedness of the initial value problem for the Korteweg-de Vries Equation, *J.A.M.S.*, Vol. **4** (1991), 323-347.
- [75.] (with G. Ponce and L. Vega) Small solutions to nonlinear Schrödinger equations, *Ann. Inst. Henri Poincaré*, Vol. **110** (1993), 255-288.
- [76.] (with G. Ponce and L. Vega) On the generalized Benjamin-Ono equation, *Trans. AMS.*, Vol. **342** (1994), 155-172.

- [77.] (with G. Ponce and L. Vega) Well posedness and scattering results for generalized Korteweg-de Vries equation via the contraction principle, *Comm. Pure Appl. Math.*, Vol. **46** (1993), 527-620.
- [78.] (with G. Ponce and L. Vega) On the hierarchy of generalized *KdV* equations, *Proc. Lyon Workshop on Singular Limits of Dispersive Waves, NATO ASI series B* **320** (1994), 347-356.
- [79.] (with J. Pipher) The Neumann problem for elliptic equations with non-smooth coefficients, *Invent. Math.*, Vol. **113** (1993), 447-509.
- [80.] (with J. Pipher) The Neumann problem for elliptic equations with non-smooth coefficients II, *Duke Math. J.* **81** (1995), 227-250.
- [81.] (with L. Escauriaza) Area integral estimates for solutions and normalized adjoint solutions to non-divergence form elliptic equations, *Ark. for Math.*, Vol. **31** (1993), 275-296.
- [82.] (with W. Beckner and J. Pipher) A convexity property of eigenvalues with applications, *preprint*
- [83.] (with D. Jerison) The inhomogeneous Dirichlet problem in Lipschitz domains, *Jour. of Funct. Anal.*, Vol. **130** (1995), 161-219.
- [84.] Potential theory of non-divergence form elliptic equations. *Proc. CIME course on Dirichlet forms, Springer Verlag, Lecture Notes in Math.*, Vol. **1563** (1993), 83-128.
- [85.] (with G. Ponce and L. Vega) Higher order non-linear dispersive equations, *Proc. AMS*. Vol. **122** (1994), 157-166.
- [86.] (with G. Ponce and L. Vega) The Cauchy problem for the Korteweg-de Vries Equation in Sobolev spaces of negative indices, *Duke Math. J.*, Vol. **71** (1993), 1-21.
- [87.] Harmonic analysis techniques for second order elliptic boundary value problems. *CBMS-AMS Regional Conference Series in Mathematics*, No. **83**, 1994.
- [88.] (with G. Ponce and L. Vega) Well posedness for the Zakharov and Zakharov-Schulman systems, *Jour. of Funct. Anal.*, Vol. **127** (1995), 204-234.
- [89.] Oscillatory integrals and nonlinear dispersive equations, *Princeton Mathematical Series*, Vol. **42**, Volume in honor of E. M. Stein's 60th birthday (1995), 268-285.
- [90.] (with V. Adolffson and L. Escauriaza) Convex domains and unique continuation at the boundary, *Revista Mat. Iberoam.* **11** (1995), 513-525.
- [91.] (with G. Ponce and L. Vega) A bilinear estimate with applications to the *KdV* equation, *Jour. AMS*. **9** (1996), 573-603.

- [92.] (with G. Ponce and L. Vega) On the IVP for the nonlinear Schrödinger equations, *Contemporary Mathematics, Harmonic analysis and Operator Theory, Volume in honor of M. Cotlar's 80th birthday, Vol. 189* (1995), 353-367.
- [93.] (with B. Birnir, G. Ponce, N. Svanstedt and L. Vega) On the ill posedness of the IVP for the generalized Korteweg-de Vries and nonlinear Schrödinger equations, *Journal of London Math. Soc.* **53** (1996), 551-559.
- [94.] (with G. Ponce and L. Vega) Quadratic forms for the $1 - D$ semilinear Schrödinger equation, *T.A.M.S* **348** (1996), 3323-3353.
- [95.] Local well posedness of nonlinear Schrödinger equations, *Proceedings, St-Jean-de-Monts* (1995), X-1-X-6.
- [96.] Lectures on oscillatory integrals and non-linear dispersive equations, *Preprint*.
- [97.] (with T. Toro) Harmonic Measure on Locally Flat domains, *Duke Math J.*, Vol. **87** (1997), 509-551.
- [98.] (with W. Wang) Boundary unique continuation for harmonic functions in non-smooth domains, *Journal of Potential Analysis, Vol. 8* (1998), 143-147.
- [99.] (with G. Ponce and L. Vega) On the smoothing of some dispersive hyperbolic systems, *GAKUTO International Series, Math. Sciences and Applications, Vol. 10* (1997), 221-229.
- [100.] (with G. Staffilani) Local well posedness for higher order non-linear dispersive systems, *J. of Fourier Analysis and its Applications, Vol. 3* (1997), 417-434.
- [101.] (with L. Caffarelli) Gradient estimates for variable coefficient parabolic equations and singular perturbation problems, *American Jour. of Math, Vol. 120* (1998), 391-439.
- [102.] (with G. Ponce and L. Vega) On the Cauchy problem for linear Schrödinger systems with variable coefficient lower order terms, *Canadian Math. Soc. Conference Proc., Vol. 21* (1997), 205-227.
- [103.] (with G. Ponce and L. Vega) Global solutions of the *KdV* equation with unbounded data, *J. of Differential Equations, Vol. 139* (1997), 339-364.
- [104.] (with W. Wang) Existence of local smooth solutions for a generalized Zakharov system, *J. of Fourier Analysis and it Applications, Vol. 4* (1998), 469-490.
- [105.] Flatness of domains and doubling properties of measures supported on their boundary, with applications to harmonic measure, *J. of Fourier Analysis and its applications, Vol. 3* (1997), 923-932.
- [106.] (with T. Toro) Free boundary regularity for harmonic measures and Poisson Kernels, *Annals of Math.* **150** (1999), 369-454.
- [107.] (with G. Ponce and L. Vega) Smoothing effects and local existence theory for the generalized nonlinear Schrödinger equations, *Inventiones Math., Vol. 134* (1998), 489-545.

- [108.] (with J. Pipher) The absolute continuity of elliptic measure revisited, *J. of Fourier Analysis and its Applications*, Vol. **4** (1998), 468-468.
- [109.] (with G. Ponce and L. Vega) On the initial value problem for the Ishimori system, *Annales H. Poincare* **1**, (2000), 341-384.
- [110.] (with H. Koch, J. Pipher and T. Toro) A new approach to absolute continuity of elliptic measure, with applications to non-symmetric equations, *Advances in Math.* **153** (2000), 231-248.
- [111.] (with E. M. Stein) Multilinear estimates and fractional integration, *Mathematical Research Letters* **6**, 1-15 (1999).
- [112.] Generalized non-linear Schrödinger equations and related systems with derivative non-linearity, *RIMS (Kokyuroku)* **1102**, Kyoto University, Kyoto, Japan (1999), 35-48.
- [113.] (with G. Ponce and L. Vega) Global well-posedness for semilinear wave equations, *Comm. in PDE* **25** (2000), 1741-1752.
- [114.] (with G. Ponce and L. Vega) On the concentration of blow-up solutions for the generalized *KdV* equation critical in L^2 , *Contemporary Math.* **263** (2000), 131-156.
- [115.] (with J. Colliander, J-M Delort and G. Staffilani) Bilinear estimates and applications to *2DNLS*, *TAMS* **353** (2001), 3307-3325.
- [116.] (with G. Ponce and L. Vega) On the ill-posedness of some canonical dispersive equations, *Duke Math. J.* **106** (2001), 617-633.
- [117.] (with N. Nadirashvili) A counter example in unique continuation theory, *Math. Res. Letters* **7** (2000), 625-630.
- [118.] (with N. Nadirashvili) On optimal estimates for some oblique derivative problems, *J. of Funct. Anal.* **187** (2001) 70-93.
- [119.] (with L. Caffarelli and D. Jerison) Some new monotonicity theorems, with applications to free boundary problems, *Annals of Math.* **155** (2002), 369-404.
- [120.] (with I. Athanassopoulos, L. Caffarelli and S. Salsa) An area - Dirichlet integral minimization problem, *Comm, in Pure App. Math.* **54** (2001), 479-499.
- [121.] (with J. Pipher) The Dirichlet problem for elliptic equations with drift terms, *Publicacions Matematiques* **45** (2001), 199-217.
- [122.] (with G. Ponce and L. Vega) On the support of solutions to generalized *KdV* equation, *Annales de l'Institut H Poincare*, **19** (2002), 191-208.
- [123.] (with G. David and T. Toro) Asymptotically optimally doubling measures and Reifenberg vanishing sets, *Comm. Pure Appl. Math.* **54** (2001), 385-449.
- [124.] (with J. Colliander and G. Staffilani) On solutions for the Kadomstev-Petviashvili I equation, *Mosc Math. J.* **1** (2001) 491-520.

- [125.] (with F. Merle) A Liouville theorem for the Burgers viscous equation, *J. d'Analyse*, Vol. **87**, (2002), 281-298.
- [126.] (with J. Colliander) The generalized Kortweg-de Vries equation on the half-line, *Comm. in PDE*, Vol. **27** (2002), 2187-2266.
- [127.] (with T. Toro) Free boundary regularity for the Poisson kernel below the continuous threshold, *Math. Res. Lett.* **9** (2002), 247-253.
- [128.] (with T. Toro) Poisson kernel characterization of Reifenberg flat chord arc domains, *Annales E.N.S.* **36(3)** (2003), 323-401.
- [129.] (with L. A. Caffarelli and D. Jerison) Global energy minimizers for free boundary problems and full regularity in three dimensions, *Contemp. Math.* **350** (2004), 83-98
- [130.] (with G. Ponce and L. Vega) On unique continuation for the nonlinear Schrödinger equations, *CPAM* **56(9)** (2003), 1247-1262.
- [131.] (with J. Colliander and G. Staffilani) Low regularity solutions for the Kadomstev-Petviashvili I equation, *GAFSA* **13(4)** (2003), 737-794.
- [132.] (with G. Ponce and L. Vega) On the unique continuation of solutions to the generalized *KdV* equation, *Math Res. Lett.* **10(5-6)** (2003), 833-846.
- [133.] Harmonic measure and “locally flat” domains, *Proc. ICM, Beijing* (2002), Vol. **II**, 701-710, 2002.
- [134.] (with T. Toro) On the free boundary regularity theorem of Alt and Caffarelli, *Discrete and Cont. Dyn. Systems* **10 (1-2)**, (2004) 397-422.
- [135.] (with T. Toro) Free boundary regularity below the continuous threshold: 2-phase problems, *J. Reine Angew. Math.* **596** (2006), 1-44.
- [136.] (with J. Colliander and G. Staffillani) Local well-posedness for dispersion generalized Benjamin-Ono equations, *Diff. and Int. Equations*, **12(12)**, (2003), 1441-1472.
- [137.] (with G. Ponce and L. Vega) On the uniqueness of solutions of higher order non-linear dispersive equations, *Contemp. Math.* **333** (2003), 137-146.
- [138.] (with G. Ponce and L. Vega) On the interaction of nearly parallel vortex-filaments, *Comm. Math. Phys.* **243** (2003), 471-483.
- [139.] (with G. Ponce, C. Rolvung and L. Vegas) Variable coefficient Schrödinger flows for ultra hyperbolic operators, *Advances in Math.* **196** (2005), 373-486.
- [140.] (with G. Ponce and L. Vega) The Cauchy problem for quasi-linear Schrödinger equations, *Invent. Math.* **158** (2004), 343-388.
- [141.] (with K. Koenig) On the local well-posedness of the Benjamin-Ono and modified Benjamin-Ono equations, *Math. Res. Lett.* **10(5-6)** (2003), 833-846.
- [142.] On the local and global well-posedness theory for the *KP – I* equation, *Annales de l'Institut H. Poincaré* **21** (2004), 827-838.

- [143.] (with A. Karakhanyan and H. Shahgholian), The behavior of the free boundary near the fixed boundary for a minimization problem, *Calc. of Var. and PDE* **28** (2007), 15-31.
- [144.] (with S. Ziesler), Maximal function estimates with applications to a modified Kadomstev-Petviashvili equation, *Comm. on Pure and Applied Analysis* **4** (2004), 45-91.
- [145.] (with A. Ionescu) L^p Carleman inequalities and uniqueness of solutions of nonlinear Schrödinger equations, *Acta Math.* **193** (2004), 193-239.
- [146.] (with A. Ionescu), Well-posedness and local smoothing of solutions of Schrödinger equations, *Math. Res. Lett.* **12** (2005), 193-205.
- [147.] (with J. Bourgain), On localization in the continuous Anderson-Bernoulli model in higher dimensions, *Inventiones Math.* **161** (2005), 389-426.
- [148.] (with J. Sjöstrand and G. Uhlmann), The Calderón problem with partial data, *Annals of Math.* **165** (2007), 567-591.
- [149.] (with F. Merle), Asymptotic stability, and Liouville theorem for scalar viscous conservation laws in cylinders, *Comm. Pure Appl. Math* **59** (2006), 769-796.
- [150.] (with F. Merle) A note on a symmetry result for travelling waves in cylinders, *PAMS* **134** (2006), 697-701.
- [151.] (with Y. Martel) Global well-posedness in the energy space for a modified KP-II equation via the Miura transform, *TAMS* **358** (2006), 2447-2488.
- [152.] (with A. Nahmod) The Cauchy problem for the hyperbolic-elliptic Ishimori system and Schrödinger maps, *Nonlinearity* **18** (2005), 1987-2009.
- [153.] (with L. Capogna and L. Lanzani) Harmonic Measure, Geometric and Analytic Points of View, *University Lecture Series, Volume 35, AMS* (2005).
- [154.] The Cauchy Problem for Quasilinear Schrödinger Equations, *to appear, Proc. Park City, Utah* (2003).
- [155.] (with S. Ziesler), Local well-posedness for modified Kadomstev-Petviashvili equations, *Diff. and Int. Equations* **18** (2005), 111-146.
- [156.] (with A. Ionescu), Uniqueness properties of solutions of Schrödinger equations, *J. of Funct. Anal.* **232** (2006), 90-136.
- [157.] (with G. Ponce, C. Rølvung and L. Vega), The general quasilinear ultrahyperbolic Schrödinger equation, *Advances in Math.* **206** (2006), 402-433.
- [158.] (with A. Ionescu), Local and global well-posedness of periodic KP-I equations, *Annals of Math. Studies* **163** (2007), 181-211.
- [159.] (with L. Escauriaza, G. Ponce and L. Vega), Decay at infinity of caloric functions within characteristic hyperplanes, *Math. Res. Lett.* **13** (2006), 441-453.
- [160.] (with L. Escauriaza, G. Ponce and L. Vega), On uniqueness properties of solutions of Schrödinger equations, *Comm. in PDE* **31** (2006), 1811-1823.

- [161.] (with A. Ionescu), Global well-posedness of the Benjamin-Ono equation in low regularity spaces, *JAMS* **20** (2007), 753-798.
- [162.] (with H. Takaoka), Global well-posedness of the modified Benjamin-Ono equation with data in $H^{1/2}$, *Int. Math. Res. Not.*, Art ID 95702, 44 pages (2006).
- [163.] (with L.Escauriaza, G.Ponce and L.Vega), On uniqueness properties of solutions of the k -generalized KdV equations, *Jour. Funct. Anal.* **244** (2007), 504-535.
- [164.] Some recent quantitative unique continuation theorems, *Rend. Accad. Naz. Sci XL Mem. Mat. Appl.* **29** (2005), 231-242.
- [165.] (with A.Carbery and S.Ziesler), Restriction for flat surfaces of revolution in \mathbf{R}^3 , *Proc. A.M.S.* **135** (2007), 1905-1914
- [166.] (with P.Daskalopoulos), Degenerate diffusions: Initial value problems and local regularity theory, *EMS Tracts in Mathematics I* (2007).
- [167.] (with D.Dos Santos, J.Sjöstrand and G.Uhlmann), Determining the magnetic field for the magnetic Schrödinger operator from partial Cauchy data, *Comm. Math. Phys.* **271** (2007), 467-488
- [168.] (with G.Ponce and L.Vega), The initial value problem for the general quasi-linear Schrödinger equation, *Contemp. Math.* **439** (2007), 101-116
- [169.] (with A. Ionescu), Complex-valued solutions of the Benjamin-Ono equation, *Contemp. Math.* **428** (2007), 61-74.
- [170.] (with F.Merle), Global well-posedness, scattering and blow-up for the energy-critical, focusing, non-linear Schrödinger equation in the radial case, *Invent. Math.* **166** (2006), 645-675
- [171.] (with A. Ionescu), Low-regularity Schrödinger maps, *Diff. and Int. Equations* **19** (2006), 1271-1300.
- [172.] (with A. Ionescu), Low-regularity Schrödinger maps II. Global well-posedness in dimensions $d \geq 3$, *Comm. Math. Phys.* **271** (2007), 52-559.
- [173.] Some recent applications of unique continuation, *Contemp. Math.* **439** (2007), 25-56.
- [174.] (with W. Staubach), ψ -pseudo-differential operators and estimates for maximal oscillatory integrals, *Studia Math.* **183** (2007), 249-258.
- [175.] (with I. Bejenaru and A. Ionescu), Global existence and uniqueness of Schrödinger maps in dimensions $d \geq 4$, *Advances in Math* **215** (2007), 263-29.
- [176.] (with D.Rule), The regularity and Neumann problem for non-symmetric elliptic operators, *Trans. Amer. Math. Soc.* **361** (2009), 125-160.
- [177.] (with F.Merle), Global well-posedness, scattering and blow-up for the energy critical focusing non-linear wave equation, *Acta Math.* **201** (2008), 147-212.

- [178.] Recent progress in the well-posedness of the Benjamin-Ono equation, *Revista de la Unión Matemática Argentina*, **46-2** (2006), 105-112.
- [179.] The well-posedness of non-linear dispersive equations: Some recent developments, *Contemp. Math.* **411** (2006), 53-62
- [180.] (with S.Chanillo), Weak uniqueness and partial regularity in the composite membrane problem, *Jour. Europ. Math. Soc. (JEMS)* **10** (2008), 705-737.
- [181.] (with L.Escauriaza, G.Ponce and L.Vega), Convexity properties of solutions to the free Schrödinger equation with Gaussian decay, *Math. Res.Lett.* **15** (2008), 957-971.
- [182.] (with J.Colliander, A.Ionescu and G.Staffilani), Weighted low regularity solutions of the KP-I initial value problem, *Discrete Cont. Dyn. Syst* **20** (2008), 219-258.
- [183.] (with A.Ionescu and D.Tataru), Global well-posedness of the KP-I initial value problem in the energy space, *Invent. Math.* **173** (2008), 265-305.
- [184.] (with S.Herr, A.Ionescu and H.Koch), A para-differential renormalization technique for nonlinear dispersive equations, *preprint*
- [185.] (with R.Cote and F.Merle), Scattering below critical energy for the radial 4D Yang-Mills equation and for the 2D co-rotational wave map system, *Comm. Math. Phys.* **284** (2008), 203-225.
- [186.] (with F.Merle), Scattering for $H^{\frac{1}{2}}$ bounded solutions to the cubic, defocusing NLS in 3 dimensions, *to appear, Trans. Amer.Math. Soc.*
- [187.] (with D.Preiss and T.Toro), Boundary structure and size in terms of interior and exterior harmonic measures in higher dimensions, *Jour. Amer. Math. Soc.(JAMS)* **22** (2009), 771-796
- [188.] (with D.Dos Santos, M.Salo and G.Uhlmann), Limiting Carleman weights and anisotropic inverse problems, *to appear, Inventiones Math.*
- [189.] (with L.Escauriaza, G.Ponce and L.Vega), Hardy's uncertainty principle, convexity and Schrödinger evolutions, *Jour. Europ. Math. Soc. (JEMS)* **10** (2008) 883-907.
- [190.] (with Y.Martel), Asymptotic stability of solitons for the Benjamin-Ono equation, *to appear, Revista Mat. Iberoamericana*
- [191.] (with S.Chanillo and T.To), Regularity of the minimizers in the composite membrane problem in \mathbb{R}^2 , *J. of Funct. Anal.* **255** (2008), 2299-2320.
- [192.] (with A.Himonas), Non-uniform dependence on initial data for the CH equation on the line, *Diff. and Int. Eqns.* **22** (2009), 201-224.
- [193.] The global behavior of solutions to critical non-linear dispersive and wave equations, *to appear, Proc. El Escorial Conference in Harmonic Analysis and PDE (June 2008), Contemp. Math.*

- [194.] The concentration-compactness/rigidity theorem method for critical dispersive and wave equations, *to appear, Proceedings of Advanced Course on Topics in PDE's and Applications, CRM, Bellaterra, Spain* (May 2008)
- [195.] Global well-posedness and scattering for the energy critical focusing non-linear Schrödinger and wave equations, *Lecture notes for a mini-course given at "Analyse des equations aux derives partiales," Evian-les-bains, June 2007, to appear in conference proceedings.*
- [196.] Quantitative unique continuation, logarithmic convexity of Gaussian means and Hardy's uncertainty principle, *Proc. of Symp. in Pure Math., volume in celebration of V.Mazy'a's 70th birthday* **79** (2008), 207-227
- [197.] Recent progress on the global well-posedness of the KP-I equation, *to appear, Proc. Conf. in Honor of C.Segovia, Birkhauser*
- [198.] (with I.Bejenaru, A.Ionescu and D.Tataru), Global Schrödinger maps in dimension $d \geq 2$: Small data in the critical Sobolev spaces, *preprint*
- [199.] (with F.Merle), Nondispersive radial solutions to energy supercritical non-linear wave equations, with applications, *to appear, Amer J. of Math.*
- [200.] (with S.Cui) Weak continuity of flow maps for some classical nonlinear dispersive equations on the line, *preprint*
- [201.] (with M.Dindos and J. Pipher) BMO solvability and the A_∞ condition for elliptic equations, *preprint*
- [202.] (with A.Himonas and G.Misiolek) Non-uniform dependence for the periodic CH equation, *preprint*
- [203.] (with T.Duyckaerts and F.Merle) Universality of blow-up profile for small radial type II blow-up solutions of energy-critical wave equations, *preprint*
- [204.] (with D.Dos Santos, J. Sjöstrand and G. Uhlmann) On the linearized local Calderón problem, *preprint*
- [205.] (with M.Salo and G.Uhlmann) Inverse problems for the anisotropic Maxwell equations, *preprint*
- [206.] (with L.Escauriaza, G.Ponce and L.Vega) The sharp Hardy uncertainty principle for Schrödinger evolutions, *preprint*
- [207.] (with I.Bejenaru and A. Ionescu) On the stability of certain spin models in 2+1 dimensions, *preprint*