

Claire Wyart : Early Achievement Track Record

Year	Authors list	Title	Reference	Cit	IF
2010	Del Bene F*, Wyart C*, Robles E, Tran A, Looger L, Scott EK, Isacoff EY & Baier H. <i>*equally first authors</i>	Filtering of visual information in the tectum by an identified neural circuit	<u>Science</u> (2010)	N/A	29.7
2010	Janovjak H, Szobota S, Wyart C, Trauner D, Isacoff EY	A light-gated, potassium-selective glutamate receptor for the optical inhibition of neuronal firing	<u>Nature Neuroscience</u> (2010), 1027-32.	N/A	16.6
2009	Wyart C*, Del Bene F*, Warp E, Scott EK, Trauner D, Baier H and Isacoff EY <i>*equally first authors</i>	Optogenetic dissection of a behavioural module in the vertebrate spinal cord	<u>Nature</u> 461 (2009), 407-10.	15	34.5
2008	Pautot S, Wyart C, Isacoff EY	Colloid-guided assembly of oriented 3D neuronal networks	<u>Nature Methods</u> 5 (2008), 735-40.	3	16.9
2007	Szobota S, Gorostiza P, Del Bene F, Wyart C, Fortin DL, Kolstad KD, Tulyathan O, Volgraf M, Numano, Aaron HL, Scott EK, Kramer RH, Flannery J, Baier H, Trauner D, Isacoff EY	Remote control of neuronal activity with a light-gated glutamate receptor	<u>Neuron</u> 54 (2007), 535-45.	60	14.7
2007	Wyart C, Webster WW, Chen JH, Wilson SR, McClary A, Khan RM, Sobel N	Smelling a single component of male sweat alters levels of cortisol in women	<u>Journal of Neuroscience</u> 27 (2007), 1261-5.	32	7.9
2006	Salome R, Kremer Y, Dieudonne S, Leger JF, Krichevsky O, Wyart C, Chatenay D, Bourdieu L	Ultrafast random-access scanning in two-photon microscopy using acousto-optic deflectors	<u>Journal of Neuroscience Methods</u> 154 (2006), 161-174.	33	2.5
2005	Wyart C, Cocco S, Bourdieu L, Leger JF, Herr C, Chatenay, D	Dynamics of excitatory synaptic components in sustained firing at low rates	<u>Journal of Neurophysiology</u> 93(2005), 3370-80.	8	3.8
2002	Wyart C, Ybert C, Bourdieu L, Herr C, Prinz C, Chatenay D	Constrained synaptic connectivity (...) on patterned surfaces	<u>Journal of Neuroscience Methods</u> 117 (2002), 123-31.	42	2.5
1999	Knowles RB, Wyart C, Buldyrev SV, Cruz L, Urbanc B, Hasselmo ME, Stanley HE, Hyman BT	Plaque-induced neurite abnormalities: Implications for disruption of neural networks in Alzheimer's disease	<u>PNAS</u> 96 (1999), pp. 5274-9.	99	10.3
1998	Stanley HE, Buldyrev SV, Cruz L, Gomez-Isla T, Havlin S, Hyman BT, Knowles R, Urbanc B, Wyart C	Statistical physics and Alzheimer's disease.	<u>Physica A</u> 249 (1998), pp. 420-424.	9	1.64

- [Reviews and chapter books:](#)

- (1) Wyart C, Del Bene F. Let There Be Light: zebrafish neurobiology and the optogenetic revolution; Rev. in Neurosciences, 2011.
- (2) Del Bene F, Wyart C. Optogenetic dissection of the role of neuronal circuits during development, Dev. Neurobiology, 2011.
- (3) Wyart C, Herr C, Ybert C, Chatenay D, Bourdieu, L. Biological neural networks controlled in vitro, Biofutur 249 (2004), 30-35.
- (4) Wyart C, Ybert C, Douarche C, Herr C, Chatenay D, Bourdieu L, Poindron P, Piguet P, Förster E (eds): New Methods for Culturing Cells from Nervous Tissues. BioValley Monogr. Basel, Karger I (2005), pp 23–57.